



110 South Downey Avenue, Indianapolis, Indiana 46219-6406
Telephone 317-630-9060, Facsimile 317-630-9065
www.MundellAssociates.com

October 31, 2011

Corey Webb
Voluntary Remediation Program
Office of Land Quality
100 North Senate Avenue
Indianapolis, Indiana 46204

Re: **Quarterly Monitoring Progress Report – 3rd Quarter 2011**
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana 46222
IDEM Incident # 0000198
IDEM VRP # 6061202
MUNDELL Project No. M01046

Dear Mr. Webb:

This *Quarterly Monitoring Progress Report* is being submitted to the Indiana Department of Environmental Management (IDEM) by MUNDELL & ASSOCIATES, INC. (MUNDELL), on behalf of AIMCO Michigan Meadows Holdings, LLC (AMMH), to summarize further site characterization, remediation activities and quarterly monitoring performed from July 1 through September 30, 2011. The following sections provide detailed discussions of the results of this work. All activities were completed on schedule.

GROUNDWATER MONITORING NETWORK SAMPLING

During July 26 – 28, 2011, quarterly groundwater sampling of the existing twenty-three (23) monitoring wells established with IDEM, and the two (2) additional monitoring wells on the Floral Park Cemetery property was performed. The following constitute this quarterly groundwater monitoring network:

- 1.) *Twenty-four (24) MUNDELL monitoring wells:* MMW-1S, MMW-8S, MMW-9S, MMW-10S, MMW-11S, MMW-11D, MMW-12S, MMW-13D, MMW-14D, MMW-P-01, MMW-P-02, MMW-P-03S, MMW-P-03D, MMW-P-04, MMW-P-05, MMW-P-06, MMW-P-07, MMW-P-08, MMW-P-09S, MMW-P-09D, MMW-P-10S, MMW-P-10D, MMW-C-01 and MMW-C-02 (MUNDELL wells on Floral Park Property).
- 2.) *One (1) Keramida/Environ monitoring well:* MW-168D.

MUNDELL also measured static groundwater elevations via an electric oil/water interface probe from the above listed monitoring well network. Additional wells gauged during this sampling event consist of: MMW-2S, MMW-3S, MMW-4D, MMW-5D, MMW-6D, MMW-7S, MW-167S, MW-167D, MW-168S, MW-169S, MW-170S, MW-170D, MW-171S and MW-171D. All monitoring well locations are presented on **Figure 1**.

Monitoring well sampling, survey and construction data are provided in **Table 1**, and the shallow potentiometric surface map is illustrated on **Figure 2**. Groundwater elevations collected from monitoring wells screened in the deeper saturated units were not included in the calculation of the shallow potentiometric surface.

The wells were sampled utilizing dedicated bladder pumps for uniform low-flow purging and sample collection. The Troll 9500 multi-parameter meter (used inline with the dedicated bladder pumps) logs geochemical parameters (temperature, pH, dissolved oxygen, conductivity and oxidation-reduction potential), which help remove a minimal but sufficient amount of water (indicated by stabilization of geochemical parameters) to sample the well. The Troll helps assess the geochemical parameters to determine if conditions naturally conducive to natural attenuation exist in the aquifer. All excess purge water was transported to 55-gallon drums located at the Site for proper disposal. In accordance with IDEM guidelines, the contents in each drum were then identified with a label describing them as non-hazardous materials.

As agreed in the October 29th, 2008, meeting with IDEM and detailed in the *Remediation Work Plan Addendum* November 2008, groundwater samples were submitted to Pace Analytical Laboratories (Pace) in Indianapolis, Indiana, for the shorter list of Volatile Organic Compound (VOC) analysis via U.S. EPA SW-846 Method 8260, along with appropriate duplicate (DUP), matrix spike (MS) and matrix spike duplicate (MSD). Groundwater samples were transferred into three 40-milliliter glass sample vials containing the preservative hydrochloric acid (HCl). Groundwater sample vials were sealed in plastic bags and placed in a cooler containing ice and delivered to Pace using appropriate chain-of-custody protocol for laboratory tests. Pace laboratory certificates of analysis for the groundwater samples analyzed are presented in **Appendix A**.

Baseline groundwater geochemical parameters (pH, dissolved oxygen, oxidation-reduction potential, conductivity and temperature) were measured with a low-flow cell and multi-parameter water quality probe in the post-injection period to evaluate whether aquifer conditions continue to be favorable for natural attenuation of the indicator compounds at the Site. Anaerobic conditions which support the reductive dechlorination process currently exist in the aquifer. The cumulative groundwater analytical data for enhanced anaerobic bioremediation are included in **Table 4**.

Additional aquifer parameters, consisting of nitrate/nitrite, sulfate, ferrous iron, total organic carbon, methane, ethene and ethane were analyzed to evaluate indicator compound breakdown and redox-sensitivity. In addition, volatile fatty acids (VFA) were tested to evaluate substrate

distribution and lifetime duration of the product. These samples were collected in the previously selected indicator well locations representative of each plume to monitor the presence of residual CAP 18 ME™ in the aquifer and to provide additional monitoring of aquifer conditions. These identified locations consist of:

- Source Area A:** MMW-P-02, MMW-P-03S, MMW-P-03D, MMW-P-04 and MMW-C-01;
- Source Area B:** MMW-P-01, MMW-P-05, MMW-P-06, MMW-P-07, MMW-P-08, MMW-P-10S, MMW-P-10D and MMW-8S; and
- Source Area C:** MMW-1S, MMW-9S and MMW-10S.

The cumulative groundwater analytical data used to evaluate enhanced anaerobic bioremediation conditions and current substrate distribution are included in **Table 4**.

GROUNDWATER ANALYTICAL RESULTS

Groundwater analytical testing results for this quarter are summarized in **Table 2** and presented on **Figure 3**. One (1) out of the twenty-five (25) monitoring wells sampled this quarter (MMW-1S) showed PCE concentrations exceeding the IDEM RISC Industrial Default Closure Level (IDCL). Four (4) monitoring wells (MMW-8S, MMW-10S, MMW-P-01 and MMW-C-01) demonstrated PCE concentrations exceeding the IDEM RISC Residential Default Closure Level (RDCL) but below the IDCL. The historical groundwater results are included in **Table 3**. The historical indicator compounds trends in groundwater are presented in **Figure 4**.

None of the monitoring wells sampled this quarter showed TCE concentrations exceeding the IDEM RISC IDCL. Three (3) monitoring wells (MMW-1S, MMW-10S and MMW-P-01) exhibited TCE concentrations exceeding the RDCL, but below the IDCL.

One (1) monitoring well (MMW-P-06) showed a cis-1,2-DCE concentration exceeding the IDEM RISC IDCL. Seven (7) monitoring wells (MMW-9S, MMW-10S, MMW-11D, MMW-13D, MMW-14D, MMW-P-01 and MMW-P-07) exhibited cis-1,2-DCE concentrations exceeding the RDCL, but below the IDCL. Eleven (11) monitoring wells (MMW-1S, MMW-8S, MMW-11S, MMW-12S, MMW-P-02, MMW-P-03S, MMW-P-04, MMW-P-05, MMW-P-08, MMW-P-10D and MMW-C-01) exhibited cis-1,2-DCE concentrations under IDEM RISC RDCL but above the detection limit.

Nineteen (19) monitoring wells (MMW-8S, MMW-9S, MMW-10S, MMW-13D, MMW-14D, MMW-P-01, MMW-P-02, MMW-P-03S, MMW-P-03D, MMW-P-04, MMW-P-5, MMW-P-06, MMW-P-07, MMW-P-08, MMW-P-09D, MMW-P-10S, MMW-P-10D, MW-168D and MMW-C-01) showed vinyl chloride concentrations exceeding the IDEM RISC IDCL.

The deep monitoring wells MMW-13D and MMW-14D exhibited cis-1,2-DCE groundwater concentrations exceeding the RDCL and exhibited vinyl chloride exceedances above IDCLs this quarter. Since these wells have been purposefully located upgradient of all three

Chemical Source Areas, the impacts observed in these areas demonstrate groundwater impacts that are attributable to other upgradient, off-site sources and not to Michigan Plaza. The locations of all three **Chemical Source Areas** are presented on **Figure 1**. As seen on **Figure 3** the indicator compound concentrations at these deep, upgradient wells can be considered as “background levels” defined as the concentration of contaminants from the Genuine source coming into the deeper aquifer in this area. These indicator compound levels aid in discerning between the Michigan Plaza source impacts and the Genuine Site impacts, and will ultimately be used to evaluate the target cleanup levels for the deeper aquifer at the Site.

IN-SITU BIOREMEDIATION PROGRESS

Based upon the 1) extent and severity of the indicator compound concentrations and trends; 2) site-specific operational constraints and uses; 3) geochemical and physical characteristics of the aquifer; and 4) economic factors, in-situ bioremediation with CAP 18TM and CAP 18 METM, followed by Monitored Natural Attenuation (MNA) is the selected remediation technology for the Site for treating groundwater, as detailed in the *RWP*. The initial CAP 18TM injection was performed in each of the three source areas in August 2007 using a direct push Geoprobe system. Locations and spacing of the injection points were designed to address the sewer line related **Chemical Source Areas** and provide injection locations in each **Chemical Source Area**. The anticipated downgradient migration of the initial CAP 18 METM was expected to remediate the most significant groundwater impacts. A booster CAP 18 METM injection was performed in February 2009 to aggressively treat some areas where the chemical concentrations began to stabilize or were decreasing at a slow rate. During this quarter, no additional CAP 18 METM injections have been performed. A *Revised Work Plan for Third Round of CAP 18 METM Injections* dated July 22, 2011, was approved by IDEM on August 22, 2011. MUNDELL will proceed with the third CAP 18 METM event as described in the above referenced *Revised Work Plan*. These remedial activities are anticipated to be completed during the 4th quarter, 2011.

Indicator Chemical Trends

A group of monitoring wells from the sampling network is utilized to monitor dissolved indicator compound concentration trends over time at various locations within the heart of the three **Chemical Source Areas**. Graphs of historical PCE, TCE, cis-1,2-DCE and vinyl chloride concentrations are presented in **Figure 4** for the following monitoring wells:

- Source Area A:** MMW-P-02, MMW-P-03S, MMW-P-03D, MMW-P-04 and MMW-C-01
- Source Area B:** MMW-P-01, MMW-P-05, MMW-P-06, MMW-P-07, MMW-P-08, MMW-P-10S, MMW-P-10D and MMW-8S
- Source Area C:** MMW-1S, MMW-9S and MMW-10S

Figures 4 and **5** illustrate the changes in the chlorinated solvent concentrations demonstrating reductive dechlorination as a result of the CAP 18 METM remediation implementation. To illustrate the effect of the CAP 18 METM injections on dissolved chlorinated concentrations, injection dates are included on the graphs.

Source Area A

PCE concentrations below the detection limit were observed in indicator wells MMW-P-02, MMW-P-03S, MMW-P-03D and MMW-P-04 located near **Source Area A**. A slight increase in PCE groundwater concentration was noted in MMW-C-01 during the 3rd quarter, 2011. In general, PCE concentrations have declined steadily since the initial August 2007 CAP 18TM injections and the following February 2009 CAP 18 METM injections. However, the PCE concentration at MMW-C-01 remains in excess of the RDCLs.

Cis-1,2-DCE concentrations demonstrate a slight increase in the shallow saturated zone immediately downgradient of **Source Area A** (MMW-P-03S). However, all five (5) associated indicator wells (MMW-P-02, MMW-P-03S, MMW-P-03D, MMW-P-04 and MMW-C-01) are either non-detect or below all RDCLs during the 3rd quarter, 2011.

During the 3rd quarter, 2011, vinyl chloride concentrations increased in two **Source Area A** indicator wells located immediately downgradient of **Source Area A** and screened within the upper saturated zone (MMW-P-03S and MMW-C-01). While vinyl chloride concentrations demonstrated generally increasing trends after the second round of CAP 18 METM injection in February 2009, generation of both cis-1,2-DCE and vinyl chloride as byproducts of enhanced reductive dechlorination appear to have slowed near **Source Area A**, particularly at monitoring wells MMW-P-02, MMW-P-03D and MMW-P-04.

These indicator compound concentration trends in the vicinity of **Source Area A**, coupled with PCE concentrations in excess of IDEM RDCLs remaining at MMW-C-01, indicate the need for a third CAP 18 METM injection event in **Source Area A**. Should elevated PCE concentrations persist at MMW-C-01, MUNDELL will evaluate the need for additional CAP 18 METM injections in that location.

Source Area B

PCE concentrations below the detection limit were observed in indicator wells MMW-P-05, MMW-P-06, MMW-P-07, MMW-P-08, MMW-P-10S and MMW-P-10D located near **Source Area B**. While decreasing PCE groundwater concentrations were observed in MMW-8S and MMW-P-01 during the 3rd quarter, 2001, values still remain above the RDCLs. In general, PCE concentrations have declined steadily since the initial August 2007 CAP 18TM injections and the subsequent February 2009 CAP 18 METM injections.

TCE concentrations have decreased in all **Source Area B** indicator wells during the 3rd quarter, 2011. MMW-P-01 showed a decrease in TCE concentrations this quarter but remains above the RDCLs. The remaining seven (7) indicator wells were below the detection limit for TCE.

Slightly increasing cis-1,2-DCE concentration trends at monitoring well locations MMW-P-01, MMW-P-05, MMW-P-07 and MMW-P-10D were observed during the 3rd quarter, 2011. Cis-1,2-DCE concentrations in these locations remain above RDCLs and below IDCLs. MMW-P-06 is the sole monitoring well location with cis-1,2-DCE concentrations in excess of the IDCLs. During the last quarter, cis-1,2-DCE concentrations at this location have decreased yet remain above IDCLs, likely the result of the **Source Area B** dechlorination after moving downgradient and reaching MMW-P-06. Groundwater concentrations at indicator well locations MMW-8S, MMW-P-05, MMW-P-08, MMW-P-10S and MMW-P-10D were below RDCLs during 3rd quarter, 2011.

Vinyl chloride groundwater concentrations persist downgradient of **Source Area B** ranging between less than 2.0 to 15,600 ug/L. Elevated concentrations were expected at the Site as a direct result of reductive dechlorination processes which were supplemented with CAP 18 METM injections in 2007 and 2009. Vinyl chloride concentrations increased in six (6) of the eight (8) identified indicator wells (MMW-8S, MMW-P-01, MMW-P-05, MMW-P-06, MMW-P-10S and MMW-P-10D) this quarter. The maximum observed vinyl chloride concentration at the Site has historically occurred at MMW-P-06. This trend continues during the 3rd quarter, 2011, with a vinyl chloride concentration of 15,600 ug/L. The presence of vinyl chloride within the majority of the **Source Area B** indicator well locations indicates that reductive dechlorination processes are proceeding and that vinyl chloride generation continues at a slow rate in this area.

These indicator compound concentration trends in the vicinity of **Source Area B** indicate that reductive dechlorination processes continue to consume PCE while generating daughter products in the saturated zone. In addition, further daughter product breakdown and vinyl chloride generation continues in select downgradient wells as expected. However, PCE concentrations have been unstable over the last four quarters at MMW-8S and MMW-P-01, both located immediately downgradient of sewer line source areas identified during soil investigation activities completed during 2005. Rebounding PCE concentrations indicate the likelihood of a limited PCE source remaining in the vicinity. As such, a third CAP 18 METM injection event has been approved by IDEM and is anticipated to be completed during the 4th quarter, 2011.

Source Area C

PCE concentrations have decreased in all indicator wells located downgradient of **Source Area C** (MMW-1S, MMW-9S and MMW-10S). PCE concentrations at MMW-1S and MMW-10S have decreased but remain above the IDCLs and RDCLs, respectively. No PCE was detected at MMW-9S during the 3rd quarter, 2011. Monitoring well locations near **Source Area C** (MMW-1S, MMW-9S and MMW-10S) continue to indicate downgradient migration of CAP 18 METM and slowing of previously inferred reductive dechlorination processes.

TCE concentrations have decreased in all indicator wells located downgradient of **Source Area C** during the 3rd quarter, 2011. TCE concentrations remain below IDCLs at all three monitoring locations (MMW-1S, MMW-9S and MMW-10S). While concentrations at

MMW-1S and MMW-10S, located nearest to **Source Area C**, have decreased during the 3rd quarter, 2011, they remain above RDCLs. No TCE was detected in indicator well MMW-9S.

Cis-1,2-DCE concentrations have decreased in all indicator wells located downgradient of **Source Area C** during the 3rd quarter, 2011. Cis-1,2-DCE concentrations remain below IDCLs at all three monitoring locations (MMW-1S, MMW-9S and MMW-10S). While concentrations at MMW-9S and MMW-10S have decreased during the 3rd quarter, 2011, they remain above RDCLs. Concentrations at MMW-1S, located nearest to **Source Area C**, have fallen below RDCLs this quarter. All cis-1,2-DCE concentrations in the **Source Area C** indicator wells have continued their general decline since the initial August 2007 CAP 18TM injections and the following February 2009 CAP 18 METM injections.

Vinyl chloride concentrations have demonstrated generally increasing trends after the second round of CAP 18 METM injection in February 2009. Rates of both cis-1,2-DCE and vinyl chloride generation as byproducts of enhanced reductive dechlorination appear to have slowed near **Source Area C**, with generally declining concentrations at all indicator well locations, specifically at MMW-1S, where vinyl chloride concentration remains slightly above the RDCLs (2.1 ug/L).

The remaining cis-1,2-DCE concentrations observed near **Source Area C**, coupled with the recalcitrant PCE groundwater concentrations observed in the vicinity, indicate that reductive dechlorination processes have continued to slow as was observed during the 1st and 2nd quarters, 2011. As such, a third CAP 18 METM injection event in **Source Area C** has been approved by IDEM and is anticipated to be completed during the 4th quarter, 2011.

Thus, overall decreasing trends in PCE and TCE concentrations (in some areas below the laboratory reporting limit), and increasing daughter product concentrations (indicating breakdown of parent compounds via reductive dechlorination) have occurred subsequent to the injections in the **Source Areas A, B and C** in August 2007 and February 2009. Because these processes appear to have slowed over the last several quarters and recalcitrant PCE concentrations have been observed in selected locations, additional CAP 18 METM injections in **Source Areas A, B and C** have been approved by IDEM and MUNDELL will proceed with the third CAP 18 METM injection event at the Site. The cumulative groundwater analytical data for enhanced anaerobic bioremediation are included in **Table 4**. All groundwater analytical results are attached in **Appendix A**.

INDOOR AIR MITIGATION SYSTEMS PERFORMANCE

Four sub-floor slab depressurization units were installed by *Air Quality Control (AQC)* under the oversight of MUNDELL in September 2006. Three additional sub-floor slab depressurization units were installed by AQC under the oversight of MUNDELL on March 19 and 26, 2008.

Unit/blowers were installed in the following spaces at Michigan Plaza: 1) the Village Pantry (B1); 2) the former Tire Shop space (B2); 3) the Arca de Salvacion (B3); and

4) the laundromat (Michigan Plaza Family Laundry) (B4). The systems installed at the Michigan Apartments are: Building No. 1, Basement Apartment 101 (B5); Building No. 6, Basement Apartment 602 (B6); and Building No. 10, Basement Apartment 1001 (B7). The system locations are illustrated on **Figure 6**.

Since the time of installation, system stack air samples were collected weekly during October 2006, followed by bi-weekly sampling during November and December 2006, monthly throughout 4th quarter, 2006, and then on a quarterly basis thereafter. PID readings have also been concurrently measured in each of the stacks. The historical PCE concentration trends and cumulative pounds of PCE and total contaminants removed by each of the systems (B1 through B7) are summarized in **Figures 7 through 15**.

As of the end of the 3rd quarter of 2011, approximately *19.92 pounds* of total chlorinated solvents, including *15.80 pounds* of PCE, have been removed at the *Michigan Apartments property* (sub slab depressurization systems B5, B6 and B7); and approximately *104.95 pounds* of total chlorinated solvents, including *97.46 pounds* of PCE, have been removed at the *Michigan Plaza property* (sub slab depressurization systems B1, B2, B3 and B4). The associated calculations are provided in **Appendix B**. A concentration of half the PQL (practical quantitation limit) is assumed for the indicator compounds demonstrating concentrations below the laboratory PQL, with the exception of vinyl chloride where an average concentration of 0.015 parts per million vapor (PPMV) (derived from the J flag values for vinyl chloride concentrations below PQL) is used for calculation purposes.

Overall, decreases in PCE concentrations have been noted in all mitigation systems going back to at least May 2009. Air mitigation systems B4 and B7 were non-detect for PCE concentrations in vapor during the 3rd quarter, 2011, sampling event. PCE concentrations in mitigation systems B1, B4 and B6 have decreased by an order of magnitude since air monitoring was initiated for each respective system. Air mitigation systems B2 and B3 have shown generally declining PCE concentrations, although during 3rd quarter, 2011, concentrations remained above 1,000 ug/m³.

FURTHER INVESTIGATION ACTIVITIES

During the 3rd quarter, 2011, MUNDELL initiated the completion of several further investigation activities as requested by IDEM and outlined in its Revised Work Plan for Third Round of CAP 18 METM Injections, July 22, 2011, and approved on August 22, 2011, by IDEM. This included:

- 1) Installation of three (3) nested well sets, two southwest of the Michigan Plaza (MMW-P-11S/D, MMW-P-13S/D), and one near the northwest Site boundary between Source Area B and a nearby residence (MMW-P-12S/D; and
- 2) Three 2D resistivity profiles (one in a north-south direction along Holt Road, south of Michigan Street; one in an east-west direction along the north side of Michigan Street,

east of Holt Road; and one in an east-west direction along the south side of Cossell Road, east of Holt Road); and

- 3) Multiple attempts to obtain property access for vapor intrusion sampling activities at the residence located immediately west of the Plaza property. To date, MUNDELL has not received a response from the current property owner.

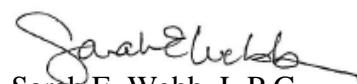
In addition, it is anticipated that two additional borings will be completed along the north-south sewer line immediately west of the Plaza building to evaluate the presence, if any, of any residual source material. A series of Geoprobe borings with groundwater sampling south of Cossell Road and downgradient from monitoring wells MMW-P-09S/D within the Floral Park Cemetery property will also be completed.

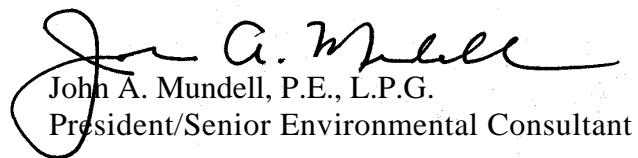
The results of these additional investigations will be summarized in the 4th quarter, 2011, Quarterly Monitoring Report.

We appreciate the opportunity to update IDEM on the progress of remedial activities and monitoring at the Site. If you have any questions, please do not hesitate to contact us at (317) 630-9060 or via email (jmundell@MundellAssociates.com; swebb@MundellAssociates.com).

Sincerely,

MUNDELL & ASSOCIATES, INC.


Sarah E. Webb, L.P.G.
Project Hydrogeologist


John A. Mundell, P.E., L.P.G.
President/Senior Environmental Consultant

Attachments: Tables
 Figures
 Appendices

cc: Mr. Peter Cappel, AMMH

TABLES

- Table 1 Tabulated Groundwater Level Measurements
- Table 2 Monitoring Well Groundwater Analytical Results
- Table 3 Cumulative Monitoring Well Groundwater Analytical Results
- Table 4 Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation

FIGURES

- Figure 1 Site Plan
- Figure 2 Potentiometric Surface Map
- Figure 3 Groundwater Analytical Results (Fourth Quarter 2010)
- Figure 4 Indicator Compound Trends in Groundwater
- Figure 5 Parent and Daughter Products Distribution in Groundwater
- Figure 6 Vapor Mitigation System Locations
- Figure 7 PCE Concentration Trends & Cumulative Pounds Removed (B1)
- Figure 8 PCE Concentration Trends & Cumulative Pounds Removed (B2)
- Figure 9 PCE Concentration Trends & Cumulative Pounds Removed (B3)
- Figure 10 PCE Concentration Trends & Cumulative Pounds Removed (B4)
- Figure 11 PCE Concentration Trends & Cumulative Pounds Removed (B5)
- Figure 12 PCE Concentration Trends & Cumulative Pounds Removed (B6)
- Figure 13 PCE Concentration Trends & Cumulative Pounds Removed (B7)
- Figure 14 PCE Concentration Trends & Cumulative Pounds Removed
(B1 through B4)
- Figure 15 PCE Concentration Trends & Cumulative Pounds Removed
(B5 through B7)

APPENDICES

Appendix A. Lab Analytical Results

Appendix B. Air Mitigation Systems: Pounds of Contaminants Removed

Appendix C Cumulative Low Flow Sampling Data

TABLES

Table 1
Tabulated Water Level Measurements and Monitoring Well Construction Data
Quarter 3 (2011)
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Monitoring Well	Date of Water Level	Top of Casing Elevation (feet MSL)	Total Depth (feet)	Screened Interval (feet)	Depth To Water (feet)	Groundwater Elevation (feet MSL)
On-Site Monitoring Wells						
MMW-P-01	9/27/2011	715.26	28	18.00 - 28.00	19.06	696.20
MMW-P-02	9/27/2011	716.09	30	20.00 - 30.00	20.25	695.84
MMW-P-03S	9/27/2011	715.95	28	18.00 - 28.00	20.05	695.90
MMW-P-03D	9/27/2011	716.02	35	25.00 - 35.00	20.07	695.95
MMW-P-04	9/27/2011	716.04	28	18.00 - 28.00	19.90	696.14
MMW-P-05	9/27/2011	715.55	28	18.00 - 28.00	19.42	696.13
MMW-P-06	9/27/2011	716.14	28	18.00 - 28.00	20.05	696.09
MMW-P-07	9/27/2011	714.90	28	18.00 - 28.00	18.25	696.65
MMW-P-08	9/27/2011	714.53	28	18.00 - 28.00	17.79	696.74
MMW-P-09S	9/27/2011	714.80	28	18.00 - 28.00	19.99	694.81
MMW-P-09D	9/27/2011	714.82	45	35.00 - 45.00	19.93	694.89
MMW-P-10S	9/27/2011	714.35	28	18.00 - 28.00	17.41	696.94
MMW-P-10D	9/27/2011	714.42	38	28.00 - 38.00	17.91	696.51
Off-Site Monitoring Wells (Environ/Keramida)						
MW-167S	9/27/2011	716.07	22	12.00 - 22.00	18.61	697.46
MW-167D	9/27/2011	715.61	33	28.00 - 33.00	18.19	697.42
MW-168S	9/27/2011	714.58	22	12.00 - 22.00	17.59	696.99
MW-168D	9/27/2011	714.46	31	26.00 - 31.00	17.56	696.90
MW-169S	9/27/2011	715.92	25	15.00 - 25.00	20.80	695.12
MW-169D	9/27/2011	715.69	37	32.00 - 37.00	NG	NG
MW-170S	9/27/2011	717.14	27	17.00 - 27.00	21.66	695.48
MW-170D	9/27/2011	717.07	39	34.00 - 39.00	21.60	695.47
MW-171S	9/27/2011	711.58	22	12.00 - 22.00	15.64	695.94
MW-171D	9/27/2011	711.62	49	44.00 - 49.00	16.16	695.46
Off-Site Monitoring Wells (Michigan Meadows Apartments)						
MMW-1S	9/27/2011	712.92	20	10.00 - 20.00	15.70	697.22
MMW-2S	9/27/2011	712.95	20	10.00 - 20.00	15.38	697.57
MMW-3S	9/27/2011	710.20	30	18.00 - 28.00	12.18	698.02
MMW-4D	9/27/2011	711.29	66	56.00 - 66.00	13.36	697.93
MMW-5D	9/27/2011	711.27	51	36.00 - 41.00	13.18	698.09
MMW-6D	9/27/2011	712.40	51	39.00 - 49.00	14.24	698.16
MMW-7S	9/27/2011	712.09	26	12.00 - 22.00	13.86	698.23
MMW-8S	9/27/2011	714.24	24	14.00 - 24.00	16.82	697.42
MMW-9S	9/27/2011	713.71	25	15.00 - 25.00	16.91	696.80
MMW-10S	9/27/2011	712.69	25	15.00 - 25.00	15.92	696.77
MMW-11S	9/27/2011	713.33	24	14.00 - 24.00	15.76	697.57
MMW-11D	9/27/2011	713.17	33	23.00 - 33.00	15.93	697.24
MMW-12S	9/27/2011	712.15	24	14.00 - 24.00	15.02	697.13
MMW-13D	9/27/2011	713.28	50	35.00 - 50.00	15.76	697.52
MMW-14D	9/27/2011	712.41	50	40.00 - 50.00	14.80	697.61
Off-Site Monitoring Wells (Floral Park Cemetery)						
MMW-C-01	9/27/2011	715.73	28	18.00 - 28.00	19.81	695.92
MMW-C-02	9/27/2011	714.64	28	18.00 - 28.00	19.34	695.30

Notes:

1) All Top of Casing (TOC) data was obtained from the Unified U.S. EPA Elevation Survey completed on October 13, 2011.

2) NG = Not Gauged

Table 2
Monitoring Well Groundwater Analytical Results
Quarter 3 (2011)
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Monitoring Wells (Apts)							
MMW-1S	7/28/2011	334	20.3	8.1	<5.0	<5.0	2.1
MMW-8S	7/28/2011	19.4	<5.0	29.0	<5.0	<5.0	130
MMW-9S	7/27/2011	<5.0	<5.0	933	32.0	<5.0	747
MMW-10S	7/27/2011	24.5	14.3	206	7.2	<5.0	295
MMW-11S	7/26/2011	<5.0	<5.0	15.1	<5.0	<5.0	<2.0
MMW-11D	7/26/2011	<5.0	<5.0	304	18.3	<5.0	3.6
MMW-12S	7/26/2011	<5.0	<5.0	24.3	<5.0	<5.0	<2.0
MMW-13D	7/26/2011	<5.0	<5.0	328	<5.0	<5.0	11.9
MMW-14D	7/26/2011	<5.0	<5.0	875	15.3	<5.0	81.0
Monitoring Wells (Plaza)							
MMW-P-01	7/28/2011	5.7	6.0	734	<5.0	<5.0	1,070
MMW-P-02	7/27/2011	<5.0	<5.0	42.9	<5.0	<5.0	218
MMW-P-03S	7/27/2011	<5.0	<5.0	29.3	<5.0	<5.0	245
MMW-P-03D	7/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0	10.5
MMW-P-04	7/28/2011	<5.0	<5.0	30.6	<5.0	<5.0	78.8
MMW-P-05	7/27/2011	<5.0	<5.0	10.3	<5.0	<5.0	307
MMW-P-06	7/28/2011	<50.0	<50.0	1,670	<50.0	<50.0	15,600
MMW-P-07	7/28/2011	<5.0	<5.0	73.6	<5.0	<5.0	978
MMW-P-08	7/27/2011	<5.0	<5.0	35.9	<5.0	<5.0	274
MMW-P-09S	7/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MMW-P-09D	7/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0	83.3
MMW-P-10S	7/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0	12.5
MMW-P-10D	7/27/2011	<5.0	<5.0	46.5	<5.0	<5.0	825
Keramida/Environ Monitoring Wells (Off-Site)							
MW-168D	7/28/2011	<5.0	<5.0	<5.0	<5.0	<5.0	228
Floral Park Monitoring Wells (Off-site)							
MMW-C-01	7/27/2011	36.7	<5.0	17.1	<5.0	<5.0	150
MMW-C-02	7/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
IDEM RISC Default Industrial Cleanup Level		55	31	1,000	2,000	1,000	4
IDEM RISC Default Residential Cleanup Level		5	5	70	100	80	2

Note:

All Values Over IDEM RISC Industrial Default Cleanup Level in **RED**

All Values Over IDEM RISC Residential Default Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroether

ug/L = micrograms per liter

NS = Not Sampled

All analytical results presented in micrograms per liter (ug/L)

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
Monitoring Wells (Apts)							
MMW-1S	9/10/2004	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	4.1
	3/15/2005	150	10.0	< 5.0	< 5.0	< 5.0	< 2.0
	11/9/2005	130	8.3	< 5.0	< 5.0	< 5.0	8.9
	9/5/2006	200	13.0	< 5.0	< 5.0	< 5.0	4.6
	2/22/2007	220	14.9	< 5.0	< 5.0	< 5.0	< 2.0
	6/14/2007	240	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
	9/19/2007	362	10.5	< 5.0	< 5.0	31.6	< 2.0
	12/13/2007	330	8.1	< 5.0	< 5.0	27.0	< 2.0
	3/21/2008	280	14.0	< 5.0	< 5.0	< 5.0	< 2.0
	6/6/2008	277	13.2	< 5.0	< 5.0	< 5.0	< 2.0
	9/11/2008	288	14.7	< 5.0	< 5.0	< 5.0	< 2.0
	11/20/2008	223	45.5	169	< 5.0	< 5.0	14.5
	3/16/2009	199	11.3	< 5.0	< 5.0	< 5.0	< 2.0
	6/16/2009	237	13.4	< 5.0	< 5.0	< 5.0	< 2.0
	8/5/2009	195	22.9	71.3	< 5.0	< 5.0	9.3
	11/2/2009	189	39.0	119	< 5.0	< 5.0	26.6
	2/3/2010	160	49.7	59.1	< 5.0	< 5.0	35.4
	4/22/2010	206	14.7	< 5.0	< 5.0	< 5.0	< 2.0
	7/21/2010	310	21.8	< 5.0	< 5.0	< 5.0	< 2.0
	10/12/2010	89.4	21.3	208	< 5.0	< 5.0	32.2
	1/19/2011	217	46.2	35.4	< 5.0	< 5.0	21.8
	5/4/2011	449	22.7	12.1	< 5.0	< 5.0	< 2.0
	7/28/2011	334	20.3	8.1	< 5.0	< 5.0	2.1
MMW-2S	9/10/2004	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
	11/9/2005	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.2
	9/5/2006	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	5.2
	6/2/2008	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
	6/15/2009	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
	4/22/2010	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
	4/30/2011	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
MMW-3S	8/26/2004	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
	9/10/2004	< 5.0	5.2	< 5.0	< 5.0	< 5.0	< 2.0
	11/9/2005	< 5.0	28.0	5.4	< 5.0	< 5.0	< 2.0
	9/5/2006	< 5.0	23.0	7.4	< 5.0	< 5.0	< 2.0
	6/2/2008	< 5.0	20.2	7.9	< 5.0	< 5.0	2.8
	6/15/2009	< 5.0	15.3	11.7	< 5.0	< 5.0	3.0
	4/20/2010	< 5.0	15.9	8.0	< 5.0	< 5.0	< 2.0
	5/4/2011	< 5.0	12.4	12.4	< 5.0	< 5.0	4.4
MMW-4D	8/25/2004	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
	9/10/2004	< 5.0	< 5.0	980	< 5.0	< 5.0	200
	11/10/2005	< 5.0	< 5.0	850	< 5.0	< 5.0	240
	9/5/2006	< 5.0	< 5.0	1,100	< 5.0	< 5.0	220
	6/2/2008	< 5.0	< 5.0	515	< 5.0	< 5.0	32.2
	6/15/2009	< 5.0	< 5.0	892	7.0	< 5.0	142
	4/20/2010	< 5.0	< 5.0	719	< 5.0	< 5.0	237
	4/29/2011	< 5.0	< 5.0	1,050	< 5.0	< 5.0	164
MMW-5D	8/24/2004	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 2.0
	9/10/2004	< 5.0	< 5.0	3,400	13.0	< 5.0	270
	11/10/2005	< 5.0	< 5.0	3,900	19.0	< 5.0	140
	9/5/2006	< 50.0	< 50	2,500	< 50	< 5.0	170
	6/2/2008	< 5.0	< 5.0	1,360	19.9	< 5.0	207
	6/15/2009	< 5.0	< 5.0	1,110	14.5	< 5.0	242
	4/20/2010	< 5.0	< 5.0	943	< 5.0	< 5.0	204
	4/29/2011	< 5.0	< 5.0	659	< 5.0	< 5.0	166
IDEM RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEM RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" designation indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-6D	9/10/2004	<5.0	<5.0	540	<5.0	<5.0	400
	11/10/2005	<5.0	<5.0	750	<5.0	<5.0	700
	9/5/2006	<5.0	<5.0	300	<5.0	<5.0	440
	6/2/2008	<5.0	<5.0	65.5	<5.0	<5.0	242
	6/15/2009	<5.0	<5.0	8.6	<5.0	<5.0	111
	4/20/2010	<5.0	<5.0	8.2	<5.0	<5.0	63.6
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	51.1
MMW-7S	8/24/2004	<5.0	<5.0	28.0	<5.0	<5.0	<2.0
	9/10/2004	<5.0	<5.0	8.5	<5.0	<5.0	<2.0
	11/9/2005	<5.0	<5.0	9.5	<5.0	<5.0	<2.0
	9/5/2006	<5.0	<5.0	5.8	<5.0	<5.0	4.5
	6/2/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/15/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/20/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MMW-8S	5/4/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	2/22/2007	114	<5.0	289	13.8	<5.0	40.6
	6/14/2007	15.9	<5.0	364	9.5	<5.0	82.1
	9/19/2007	<5.0	<5.0	778	24.6	<5.0	145
	12/13/2007	7.7	<5.0	1,000	7.4	<5.0	586
	3/20/2008	<5.0	<5.0	470	<5.0	<5.0	330
	6/6/2008	<5.0	<5.0	336	<5.0	<5.0	509
	9/10/2008	<5.0	<5.0	275	<5.0	<5.0	322
	11/20/2008	<5.0	<5.0	123	<5.0	<5.0	584
	3/16/2009	<5.0	<5.0	95.0	<5.0	<5.0	348
	6/16/2009	<5.0	<5.0	94.3	6.1	<5.0	280
	8/5/2009	<5.0	<5.0	83.8	<5.0	<5.0	261
	11/2/2009	<5.0	<5.0	58.3	<5.0	<5.0	277
	2/3/2010	7.9	<5.0	15.3	<5.0	<5.0	236
	4/22/2010	<5.0	<5.0	9.0	<5.0	<5.0	151
	7/21/2010	6.2	<5.0	14.9	<5.0	5.0	230
	10/12/2010	8.4	<5.0	5.4	<5.0	<5.0	158
	1/19/2011	14.1	<5.0	<5.0	<5.0	<5.0	172
	4/30/2011	677	19.5	37.2	<5.0	<5.0	108
	7/28/2011	19.4	<5.0	29.0	<5.0	<5.0	130
MMW-9S	2/22/2007	782	88.6	78.9	<5.0	<5.0	<2.0
	6/14/2007	858	85.7	65.3	<5.0	<5.0	<2.0
	9/20/2007	1,430	112	70.3	8.2	<5.0	<2.0
	12/12/2007	<50.0	<50.0	1,700	<50.0	<50.0	<20.0
	3/21/2008	57.0	20.0	2,900	39.0	<5.0	16.0
	6/6/2008	52.9	28.0	1,540	38.2	<5.0	295
	9/10/2008	52.6	22.7	4,920	94.5	<5.0	167
	11/20/2008	<5.0	<5.0	5,820	90.2	<5.0	1,010
	3/16/2009	<50.0	<50.0	7,490	73.8	<50.0	1,800
	6/16/2009	44.5	24.9	4,810	64.0	<5.0	876
	8/5/2009	<5.0	<5.0	5,010	64.2	<5.0	1,110
	11/2/2009	<5.0	<5.0	5,410	120	<5.0	1,050
	2/3/2010	<50.0	<50.0	5,090	98.4	<50.0	1,700
	4/22/2010	<5.0	<5.0	4,300	77.1	<5.0	1,710
	7/21/2010	<50.0	<50.0	2,910	73.2	<50.0	2,020
	10/12/2010	<50.0	<50.0	2,430	<50.0	<50.0	1,270
	1/19/2011	<50.0	<50.0	1,580	136	<50.0	1,490
	5/4/2011	11.1	13.4	2,900	71.7	<5.0	1,350
	7/27/2011	<5.0	<5.0	933	32.0	<5.0	747
IDEM RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEM RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in RED

All Values Over IDEM RISC Default Residential Cleanup Level in BLUE

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" designation indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-10S	2/22/2007	49.6	<5.0	<5.0	<5.0	<5.0	<2.0
	6/14/2007	77.6	<5.0	<5.0	<5.0	<5.0	<2.0
	9/19/2007	66.0	<5.0	<5.0	<5.0	<5.0	<2.0
	12/12/2007	124	56.0	149	<5.0	<5.0	<2.0
	3/21/2008	440	12.0	8.1	<5.0	<5.0	12.0
	6/6/2008	541	62.1	218	<5.0	<5.0	30.4
	9/10/2008	6.9	<5.0	353	8.2	<5.0	<2.0
	11/20/2008	<5.0	<5.0	212	<5.0	<5.0	15.9
	3/16/2009	<5.0	<5.0	302	<5.0	<5.0	114
	6/16/2009	22.8	15.4	415	12.0	<5.0	81.4
	8/5/2009	<5.0	<5.0	224	5.5	<5.0	156
	11/2/2009	12.8	10.1	239	5.6	<5.0	119
	2/3/2010	8.3	7.5	180	5.1	<5.0	148
	4/22/2010	<5.0	7.9	165	<5.0	<5.0	143
	7/21/2010	15.6	9.7	267	8.3	<5.0	239
	10/12/2010	<5.0	<5.0	100	<5.0	<5.0	96.1
	1/19/2011	<5.0	14.4	80.9	12.7	<5.0	88.0
	5/4/2011	429	76.6	464	16.9	<5.0	130
	7/27/2011	24.5	14.3	206	7.2	<5.0	295
MMW-11S	6/14/2007	<5.0	<5.0	225	6.8	<5.0	18.6
	9/19/2007	<5.0	<5.0	442	21.1	<5.0	30.1
	12/13/2007	7.2	<5.0	920	27.0	<5.0	49.0
	3/20/2008	<5.0	<5.0	420	17.0	<5.0	4.9
	6/5/2008	<5.0	<5.0	623	23.1	<5.0	26.7
	9/10/2008	<5.0	<5.0	327	18.3	<5.0	9.9
	11/20/2008	<5.0	<5.0	554	23.9	<5.0	18.5
	3/16/2009	<5.0	<5.0	37.6	<5.0	<5.0	<2.0
	6/16/2009	<5.0	<5.0	253	17.9	<5.0	2.8
	8/5/2009	<5.0	<5.0	80.7	5.5	<5.0	3.1
	11/2/2009	<5.0	<5.0	59.9	<5.0	<5.0	<2.0
	2/3/2010	<5.0	<5.0	29.4	<5.0	<5.0	<2.0
	4/22/2010	<5.0	<5.0	17.7	<5.0	<5.0	<2.0
	7/21/2010	<5.0	<5.0	120	7.4	<5.0	4.3
	10/12/2010	<5.0	<5.0	85.1	5.6	<5.0	<2.0
	1/19/2011	<5.0	<5.0	46.3	12.9	<5.0	<2.0
	4/30/2011	<5.0	<5.0	8.3	<5.0	<5.0	<2.0
	7/26/2011	<5.0	<5.0	15.1	<5.0	<5.0	<2.0
MMW-11D	6/16/2009	<5.0	<5.0	25.3	6.7	<5.0	<2.0
	8/5/2009	<5.0	<5.0	485	22.6	<5.0	15.3
	11/2/2009	<5.0	<5.0	771	31.8	<5.0	18.8
	2/3/2010	<5.0	<5.0	301	28.2	<5.0	5.2
	4/22/2010	<5.0	<5.0	307	21.8	<5.0	2.6
	7/21/2010	<5.0	<5.0	396	21.8	<5.0	10.9
	10/12/2010	<5.0	<5.0	162	<5.0	<5.0	<2.0
	1/19/2011	<5.0	<5.0	570	26.7	<5.0	5.9
	4/30/2011	<5.0	<5.0	356	17.2	<5.0	3.6
	7/26/2011	<5.0	<5.0	304	18.3	<5.0	3.6
MMW-12S	6/16/2009	<5.0	<5.0	9.7	<5.0	<5.0	6.5
	8/5/2009	<5.0	<5.0	47.3	<5.0	<5.0	15.2
	11/2/2009	<5.0	<5.0	28.8	<5.0	<5.0	7.1
	2/3/2010	<5.0	<5.0	11.4	<5.0	<5.0	2.1
	4/20/2010	<5.0	<5.0	5.3	<5.0	<5.0	<2.0
	7/21/2010	<5.0	<5.0	25.4	<5.0	<5.0	7.3
	10/12/2010	<5.0	<5.0	16.8	<5.0	<5.0	<2.0
	1/18/2011	<5.0	<5.0	19.7	<5.0	<5.0	<2.0
	4/30/2011	<5.0	<5.0	30.6	<5.0	<5.0	2.7
IDEM RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEM RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in RED

All Values Over IDEM RISC Default Residential Cleanup Level in BLUE

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" designation indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-13D	8/5/2009	<5.0	<5.0	672	<5.0	<5.0	59.2
	11/2/2009	<5.0	<5.0	949	<5.0	<5.0	182
	2/3/2010	<5.0	<5.0	819	6.2	<5.0	260
	4/22/2010	<5.0	<5.0	469	<5.0	<5.0	4.6
	7/21/2010	<5.0	<5.0	432	<5.0	<5.0	16.6
	10/12/2010	<5.0	<5.0	1,200	<5.0	<5.0	187
	1/19/2011	<5.0	<5.0	920	12.3	<5.0	179
	4/30/2011	<5.0	<5.0	527	<5.0	<5.0	15.4
	7/26/2011	<5.0	<5.0	328	<5.0	<5.0	11.9
MMW-13D Low	6/16/2009	<5.0	<5.0	613	10.4	<5.0	17.3
MMW-13D Medium (29')	6/16/2009	<5.0	<5.0	578	12.1	<5.0	14.9
MMW-13D High (17')	6/16/2009	<5.0	<5.0	597	9.7	<5.0	21.1
MMW-14D	6/16/2009	<5.0	<5.0	648	15.6	<5.0	57.6
	8/5/2009	<5.0	<5.0	589	10.9	<5.0	79.1
	11/2/2009	<5.0	<5.0	541	9.2	<5.0	83.8
	2/3/2010	<5.0	<5.0	871	13.9	<5.0	84.9
	4/20/2010	<5.0	<5.0	763	14.1	<5.0	72.8
	7/21/2010	<5.0	<5.0	805	14.6	<5.0	60.8
	10/12/2010	<5.0	<5.0	775	8.4	<5.0	83.3
	1/18/2011	<5.0	<5.0	785	24.0	<5.0	109
	4/30/2011	<5.0	<5.0	1,070	14.7	<5.0	68.3
	7/26/2011	<5.0	<5.0	875	15.3	<5.0	81.0
Monitoring Wells (Plaza)							
MMW-P-01	11/9/2005	33	210	160	9.6	<5.0	76.0
	2/22/2007	85.2	356	274	16.7	<5.0	28.7
	6/14/2007	111	368	350	10.0	<5.0	79.6
	9/20/2007	206	322	300	11.5	<5.0	127
	12/14/2007	230	320	240	7.1	<5.0	87.0
	3/21/2008	120	170	3,100	25.0	<5.0	42.0
	6/5/2008	22.0	31.5	3,660	68.6	<5.0	123
	9/11/2008	14.2	15.1	1,690	<5.0	<5.0	87.7
	11/19/2008	<5.0	<5.0	4,320	<5.0	<5.0	116
	3/17/2009	17.5	22.6	12,300	143	<5.0	3,290
	6/17/2009	<50.0	<50.0	4,020	63.9	<50.0	1,840
	8/6/2009	97.4	<50.0	12,200	<50.0	<50.0	3,730
	11/3/2009	103	58.3	9,330	<50.0	<50.0	4,770
	2/4/2010	104	60.6	9,190	130	<50.0	13,600
	4/22/2010	90.5	79.0	9,400	94.7	<50.0	12,600
	7/7/2010	<50.0	<50.0	1,880	<50.0	<50.0	2,960
	10/14/2010	<125	<125	4,760	<125	<125	5,440
	1/20/2011	153	140	1,960	<50.0	<50.0	11,100
	5/5/2011	8.4	26.8	281	<5.0	<5.0	232
	7/28/2011	5.7	6.0	734	<5.0	<5.0	1,070
MMW-P-02	11/8/2005	24.0	<5.0	87.0	7.3	<5.0	49.0
	2/22/2007	184	<5.0	39.4	<5.0	<5.0	27.4
	6/14/2007	17.1	<5.0	35.0	<5.0	<5.0	27.5
	9/19/2007	13.3	<5.0	66.3	5.6	<5.0	50.1
	12/13/2007	7.8	<5.0	69.0	<5.0	<5.0	53.0
	3/20/2008	19.0	<5.0	67.0	<5.0	<5.0	42.0
	6/5/2008	94.9	<5.0	44.0	<5.0	<5.0	46.4
	9/11/2008	17.5	<5.0	46.6	<5.0	<5.0	42.0
	11/19/2008	10.7	<5.0	75.4	<5.0	<5.0	69.5
	3/17/2009	23.4	<5.0	65.4	5.3	<5.0	68.4
	6/17/2009	5.1	<5.0	54.2	9.2	<5.0	80.6
	8/6/2009	5.1	<5.0	55.8	<5.0	<5.0	56.2
	11/3/2009	11.1	<5.0	60.1	<5.0	<5.0	73.9
	2/4/2010	7.4	<5.0	75.8	5.8	<5.0	104
	4/22/2010	9.9	6.8	56.0	8.0	<5.0	110
	7/21/2010	24.0	<5.0	72.4	<5.0	<5.0	161
	10/13/2010	9.3	<5.0	61.0	<5.0	<5.0	95.0
	1/19/2011	15.9	<5.0	64.3	14.0	<5.0	396
	5/4/2011	9.2	<5.0	56.5	<5.0	<5.0	386
	7/27/2011	<5.0	<5.0	42.9	<5.0	<5.0	218
IDEM RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEM RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in RED

All Values Over IDEM RISC Default Residential Cleanup Level in BLUE

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" designation indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-P-03S	11/9/2005	110	<5.0	97.0	9.6	<5.0	<2.0
	2/22/2007	397	<5.0	105	10.0	<5.0	<2.0
	6/14/2007	256	<5.0	96.4	9.2	<5.0	9.3
	9/20/2007	144	<5.0	131	15.8	<5.0	16.0
	12/13/2007	67.0	<5.0	88.0	5.3	<5.0	15.0
	3/20/2008	130	<5.0	84.0	7.3	<5.0	10.0
	6/5/2008	19.4	<5.0	380	14.9	<5.0	10.6
	9/11/2008	<5.0	<5.0	<5.0	<5.0	<5.0	72.6
	11/19/2008	<5.0	6.0	494	<5.0	<5.0	40.8
	3/17/2009	7.5	<5.0	904	38.7	<5.0	283
	6/17/2009	<5.0	<5.0	332	22.3	<5.0	759
	8/6/2009	30.6	8.2	573	25.0	<5.0	843
	11/3/2009	<5.0	<5.0	141	16.1	<5.0	379
	2/4/2010	<5.0	<5.0	155	19.4	<5.0	382
	4/22/2010	14.2	8.9	156	13.4	<5.0	377
	7/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	141
	10/13/2010	<5.0	<5.0	70.9	9.2	<5.0	542
	1/19/2011	<5.0	<5.0	79.7	19.4	<5.0	338
	5/4/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/27/2011	<5.0	<5.0	29.3	<5.0	<5.0	245
MMW-P-03D	11/9/2005	22.0	<5.0	42.0	<5.0	<5.0	2.0
	2/22/2007	48.9	<5.0	57.8	<5.0	39.0	15.6
	6/14/2007	21.7	<5.0	74.9	<5.0	<5.0	34.5
	9/19/2007	14.3	<5.0	76.1	7.3	<5.0	36.6
	12/13/2007	11.0	<5.0	40.0	<5.0	<5.0	20.0
	39527	<5.0	<5.0	170	6.0	<5.0	18.0
	39604	<5.0	<5.0	150	7.4	<5.0	26.0
	39702	<5.0	<5.0	95.7	6.4	<5.0	<2.0
	11/19/2008	<5.0	<5.0	80.6	<5.0	<5.0	36.9
	3/17/2009	<5.0	<5.0	65.2	<5.0	<5.0	69.8
	6/17/2009	<5.0	<5.0	14.9	5.9	<5.0	137
	8/6/2009	<5.0	<5.0	16.7	<5.0	<5.0	248
	11/3/2009	<5.0	<5.0	8.5	<5.0	<5.0	168
	2/4/2010	<5.0	<5.0	<5.0	<5.0	<5.0	287
	4/22/2010	<5.0	<5.0	7.2	<5.0	<5.0	211
	7/21/2010	6.6	<5.0	271	8.1	<5.0	305
	10/13/2010	<5.0	<5.0	<5.0	<5.0	<5.0	16.2
	1/19/2011	<5.0	<5.0	<5.0	<5.0	<5.0	46.2
	5/4/2011	<5.0	<5.0	64.3	<5.0	<5.0	118
	7/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0	10.5
MMW-P-04	11/9/2005	180	<5.0	<5.0	<5.0	<5.0	<2.0
	2/22/2007	315	<5.0	<5.0	<5.0	<5.0	<2.0
	6/14/2007	268	<5.0	<5.0	<5.0	<5.0	<2.0
	9/20/2007	214	<5.0	<5.0	<5.0	<5.0	<2.0
	12/13/2007	62.0	<5.0	<5.0	<5.0	<5.0	<2.0
	3/20/2008	120	<5.0	<5.0	<5.0	<5.0	<2.0
	6/6/2008	154	6.0	59.7	<5.0	<5.0	<2.0
	9/11/2008	31.9	<5.0	360	7.1	<5.0	<2.0
	11/19/2008	45.0	<5.0	248	<5.0	<5.0	<2.0
	3/18/2009	19.4	5.4	304	10.8	<5.0	<2.0
	6/17/2009	35.3	5.4	827	22.0	<5.0	2.0
	8/6/2009	<5.0	<5.0	15.1	<5.0	<5.0	<2.0
	11/5/2009	<5.0	<5.0	1,190	36.9	<5.0	90.9
	2/12/2010	<5.0	<5.0	144	8.3	<5.0	224
	4/21/2010	<5.0	<5.0	268	15.8	<5.0	364
	7/22/2010	<5.0	<5.0	189	12.9	<5.0	402
	10/13/2010	<5.0	<5.0	10.3	<5.0	<5.0	16.8
	2/18/2011	<5.0	<5.0	6.4	<5.0	<5.0	36.3
	5/5/2011	144	<5.0	76.2	<5.0	<5.0	124
	7/28/2011	<5.0	<5.0	30.6	<5.0	<5.0	78.8
IDEM RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEM RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in RED

All Values Over IDEM RISC Default Residential Cleanup Level in BLUE

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" designation indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-P-05	11/8/2005	<5.0	<5.0	6.2	<5.0	<5.0	<2.0
	2/22/2007	23.7	<5.0	9.1	<5.0	<5.0	<2.0
	6/14/2007	<5.0	<5.0	18.8	<5.0	<5.0	<2.0
	9/19/2007	<5.0	<5.0	18.8	<5.0	<5.0	<2.0
	12/14/2007	<5.0	<5.0	14.8	<5.0	<5.0	<2.0
	3/20/2008	<5.0	<5.0	8.1	<5.0	<5.0	<2.0
	6/5/2008	<5.0	<5.0	15.6	<5.0	<5.0	<2.0
	9/11/2008	<5.0	<5.0	16.7	<5.0	<5.0	<2.0
	11/19/2008	<5.0	<5.0	22.1	<5.0	<5.0	<2.0
	3/17/2009	<5.0	<5.0	13.7	<5.0	<5.0	<2.0
	6/17/2009	<5.0	<5.0	10.9	6.6	<5.0	<2.0
	8/6/2009	<5.0	<5.0	15.1	<5.0	<5.0	<2.0
	11/3/2009	<5.0	<5.0	7.6	<5.0	<5.0	2.7
	2/4/2010	<5.0	<5.0	6.8	<5.0	<5.0	<2.0
	4/22/2010	<5.0	<5.0	8.6	<5.0	<5.0	<2.0
	7/21/2010	<5.0	<5.0	10.4	<5.0	<5.0	5.3
	10/13/2010	<5.0	<5.0	13.6	<5.0	<5.0	3.9
	1/20/2011	<5.0	<5.0	14.1	<5.0	<5.0	<2.0
	4/30/2011	<5.0	<5.0	<5.0	<5.0	<5.0	9.2
	7/27/2011	<5.0	<5.0	10.3	<5.0	<5.0	307
MMW-P-06	11/8/2005	<5.0	<5.0	200	24.0	<5.0	21.0
	2/22/2007	<5.0	<5.0	158	19.2	<5.0	<2.0
	6/14/2007	<5.0	<5.0	214	22.7	<5.0	13.3
	9/19/2007	<5.0	<5.0	283	38.2	<5.0	26.1
	12/14/2007	<5.0	<5.0	260	40.0	<5.0	31.0
	3/20/2008	<5.0	<5.0	250	31.0	<5.0	26.0
	6/5/2008	<5.0	<5.0	265	30.9	<5.0	40.1
	9/11/2008	<5.0	<5.0	271	33.3	<5.0	<2.0
	11/19/2008	<5.0	<5.0	292	<5.0	<5.0	61.4
	3/17/2009	<5.0	<5.0	292	35.3	<5.0	<2.0
	6/17/2009	<5.0	<5.0	145	22.2	<5.0	90.6
	8/6/2009	<5.0	<5.0	136	14.3	<5.0	301
	11/3/2009	<5.0	<5.0	107	15.2	<5.0	292
	2/4/2010	<5.0	<5.0	79.1	11.2	<5.0	1,870
	4/22/2010	<5.0	<5.0	23.7	8.0	<5.0	2,470
	7/21/2010	<50.0	<50.0	<50.0	<50.0	<50.0	5,870
	10/14/2010	<100	<100	<100	<100	<100	12,900
	1/20/2011	<100	<100	2,700	<100	<100	15,000
	5/4/2011	<50.0	<50.0	2,850	<50.0	<50.0	14,400
	7/28/2011	<50.0	<50.0	1,670	<50.0	<50.0	15,600
MMW-P-07	2/22/2007	3,060	81.5	82.0	8.8	<5.0	<2.0
	6/14/2007	2,850	90.0	82.5	<50.0	<50.0	<20.0
	9/20/2007	5,200	109	121	16.1	<5.0	2.0
	12/13/2007	1,440	157	930	8.8	7.4	80.0
	3/21/2008	31.0	7.6	1,700	27.0	<5.0	110
	6/5/2008	<5.0	<5.0	938	15.6	<5.0	466
	9/11/2008	<5.0	<5.0	1,870	55.2	<5.0	1,620
	11/19/2008	<5.0	<5.0	797	<5.0	<5.0	749
	3/17/2009	<5.0	<5.0	361	17.7	<5.0	1,830
	6/17/2009	<5.0	<5.0	87.1	9.4	<5.0	1,130
	8/6/2009	<5.0	<5.0	48.7	<5.0	<5.0	787
	11/3/2009	<5.0	<5.0	809	14.1	<5.0	1,510
	2/4/2010	<5.0	<5.0	555	12.4	<5.0	1,880
	4/22/2010	<5.0	7.0	1,050	23.7	<5.0	2,080
	7/22/2010	<5.0	<5.0	247	7.8	<5.0	1,680
	10/14/2010	<25.0	<25.0	665	<25.0	<25.0	2,310
	1/20/2011	<5.0	<5.0	295	13.9	<5.0	562
	5/4/2011	<5.0	<5.0	72.0	<5.0	<5.0	2,170
	7/28/2011	<5.0	<5.0	73.6	<5.0	<5.0	978
IDEML RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEML RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Notes:

All Values Over IDEML RISC Default Industrial Cleanup Level in RED

All Values Over IDEML RISC Default Residential Cleanup Level in BLUE

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" designation indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-P-08	2/22/2007	6,280	281	240	26.7	<5.0	<2.0
	6/14/2007	6,440	310	169	<50.0	<50.0	<20.0
	9/20/2007	9,780	494	201	25.3	<5.0	6.5
	12/14/2007	390	210	5,800	<50.0	<50.0	<20.0
	3/21/2008	6.7	11.0	6,500	130	<5.0	55.0
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	562
	9/11/2008	5.8	5.0	18,300	686	<50.0	4,740
	11/19/2008	<50.0	<50.0	5,690	91.4	<50.0	13,000
	3/17/2009	<5.0	<5.0	1,130	47.1	<5.0	5,680
	6/17/2009	<125	<125	356	145	<5.0	7,200
	8/6/2009	<125	<125	601	<50.0	<50.0	8,960
	11/3/2009	<50.0	<50.0	86.7	<50.0	<50.0	2,860
	2/4/2010	<50.0	<50.0	1,140	<50.0	<50.0	4,860
	4/22/2010	<5.0	<5.0	45.7	8.1	<5.0	2,180
	7/22/2010	<5.0	<5.0	97.8	<5.0	<5.0	1,320
	10/14/2010	<25.0	<25.0	39.5	<25.0	<25.0	676
	1/20/2011	<5.0	<5.0	590	14.8	<25.0	1,770
	5/4/2011	<5.0	<5.0	288	<5.0	<5.0	2,030
	7/27/2011	<5.0	<5.0	35.9	<5.0	<5.0	274
MMW-P-09S	2/22/2007	10.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/14/2007	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	9/19/2007	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	12/12/2007	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	3/20/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	9/11/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	11/19/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	3/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/16/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	8/6/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	11/3/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	2/3/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	10/13/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	1/19/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/30/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MMW-P-09D	6/14/2007	<5.0	<5.0	<5.0	<5.0	<5.0	46.2
	9/19/2007	<5.0	<5.0	<5.0	<5.0	<5.0	83.1
	12/12/2007	<5.0	<5.0	<5.0	<5.0	<5.0	71.0
	3/20/2008	<5.0	<5.0	<5.0	<5.0	<5.0	3.0
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	100
	9/11/2008	<5.0	<5.0	<5.0	<5.0	<5.0	72.6
	11/19/2008	<5.0	<5.0	<5.0	<5.0	<5.0	97.2
	3/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	85.1
	6/16/2009	<5.0	<5.0	<5.0	<5.0	<5.0	73.5
	8/6/2009	<5.0	<5.0	<5.0	<5.0	<5.0	80.8
	11/3/2009	<5.0	<5.0	<5.0	<5.0	<5.0	87.1
	2/3/2010	<5.0	<5.0	<5.0	<5.0	<5.0	111
	4/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	76.9
	7/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	81.2
	10/13/2010	<5.0	<5.0	<5.0	<5.0	<5.0	70.6
	1/19/2011	<5.0	<5.0	<5.0	<5.0	<5.0	66.9
	4/30/2011	<5.0	<5.0	<5.0	<5.0	<5.0	74.5
	7/26/2011	<5.0	<5.0	<5.0	<5.0	<5.0	83.3
IDEML RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEML RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Notes:

All Values Over IDEML RISC Default Industrial Cleanup Level in RED

All Values Over IDEML RISC Default Residential Cleanup Level in BLUE

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" designation indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-P-10S	6/14/2007	36.1	36.3	61.6	6.9	<5.0	<2.0
	7/6/2007	87.9	54.9	92.1	10.2	<5.0	<2.0
	9/19/2007	192	82.6	126	14.4	<5.0	<2.0
	12/14/2007	71.0	<5.0	<5.0	<5.0	<5.0	2.4
	3/20/2008	26.8	19.2	250	12.2	<5.0	<2.0
	6/5/2008	15.0	9.7	537	16.0	<5.0	114
	9/11/2008	74.8	36.5	1,650	74.0	<5.0	27.7
	11/19/2008	78.6	28.0	1,510	<5.0	<5.0	22.3
	3/17/2009	11.9	8.6	1,160	71.5	<5.0	<2.0
	6/17/2009	<5.0	<5.0	331	20.5	<5.0	63.9
	8/6/2009	<5.0	<5.0	158	16.1	<5.0	395
	11/3/2009	<5.0	<5.0	29.6	<5.0	<5.0	288
	2/4/2010	<5.0	<5.0	45.4	<5.0	<5.0	419
	4/22/2010	<5.0	<5.0	16.2	<5.0	<5.0	118
	7/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	16.5
	10/14/2010	<5.0	<5.0	5.4	<5.0	<5.0	381
	1/20/2011	<5.0	<5.0	11.7	<5.0	<5.0	27.8
	5/5/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0	12.5
MMW-P-10D	6/14/2007	<5.0	10.6	481	7.7	<5.0	98.7
	7/6/2007	<5.0	<5.0	498	9.0	<5.0	118
	9/19/2007	<5.0	<5.0	350	<5.0	<5.0	76.1
	12/14/2007	<5.0	<5.0	270	<5.0	<5.0	77.0
	3/20/2008	<5.0	<5.0	<5.0	<5.0	<5.0	3.0
	6/5/2008	<5.0	<5.0	508	<5.0	<5.0	267
	9/11/2008	<5.0	<5.0	435	<5.0	<5.0	288
	11/19/2008	<5.0	<5.0	3,390	<5.0	<5.0	5,030
	3/17/2009	<5.0	<5.0	4,860	12.9	<5.0	2,500
	6/17/2009	<5.0	<5.0	3,710	9.6	<5.0	9,070
	8/6/2009	<5.0	<5.0	2,520	5.1	<5.0	3,400
	11/3/2009	<5.0	<5.0	2,740	<5.0	<5.0	3,500
	2/4/2010	<5.0	<5.0	406	<5.0	<5.0	2,130
	4/22/2010	<5.0	<5.0	30.5	<5.0	<5.0	364
	7/22/2010	<5.0	<5.0	120	<5.0	<5.0	865
	10/14/2010	<25.0	<25.0	<25.0	<25.0	<25.0	707
	1/20/2011	<5.0	<5.0	21.4	<5.0	<5.0	1,210
	5/5/2011	<5.0	<5.0	8.1	<5.0	<5.0	272
	7/27/2011	<5.0	<5.0	46.5	<5.0	<5.0	825
Keramida/Environ Monitoring Wells (Off-site)							
MW-165D	7/7/2010	<5.0	<5.0	122	<5.0	<5.0	202
MW-167S	11/7/2005	<5.0	<5.0	<5.0	<5.0	<5.0	14.0
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MW167D	11/7/2005	<5.0	<5.0	750	<5.0	<5.0	110
	6/5/2008	<5.0	<5.0	616	28.0	<5.0	43.8
	6/17/2009	<5.0	<5.0	612	22.1	<5.0	23.8
	4/21/2010	<5.0	<5.0	626	22.1	<5.0	25.6
	4/29/2011	<5.0	<5.0	392	18.9	<5.0	14.9
MW-168S	11/7/2005	280	16.0	53.0	<5.0	<5.0	3.0
	2/21/2007	30.1	8.8	155	<5.0	<5.0	29.6
	6/14/2007	<5.0	<5.0	40.8	<5.0	<5.0	34.0
	9/19/2007	32.6	8.0	82.4	<5.0	<5.0	3.5
	12/13/2007	52.0	14.0	78.0	<5.0	<5.0	4.1
	3/20/2008	92.0	12.0	46.0	<5.0	<5.0	4.2
	6/5/2008	80.4	10.1	41.1	<5.0	<5.0	3.6
	9/11/2008	68.5	10.8	66.9	<5.0	<5.0	5.5
	8/7/2009	62.6	10.2	118	<5.0	NS	9.9
IDEM RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEM RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Notes:

All Values Over IDEM RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEM RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" designation indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MW-168D	11/7/2005	<5.0	<5.0	6.8	<5.0	<5.0	49.0
	2/21/2007	<5.0	<5.0	8.4	<5.0	<5.0	58.1
	6/14/2007	<5.0	<5.0	5.2	<5.0	<5.0	47.5
	9/19/2007	<5.0	<5.0	<5.0	<5.0	<5.0	89.7
	12/12/2007	<5.0	<5.0	<5.0	<5.0	<5.0	74.0
	3/20/2008	<5.0	<5.0	8.0	<5.0	<5.0	39.0
	6/5/2008	<5.0	<5.0	13.4	<5.0	<5.0	65.9
	9/11/2008	<5.0	<5.0	5.5	<5.0	<5.0	<2.0
	3/17/2009	<5.0	<5.0	16.5	<5.0	<5.0	<2.0
	6/18/2009	<5.0	<5.0	<5.0	<5.0	<5.0	14.5
	8/7/2009	<5.0	<5.0	<5.0	<5.0	<5.0	36.2
	11/4/2009	<5.0	<5.0	<5.0	<5.0	<5.0	99.1
	2/4/2010	<5.0	<5.0	6.3	<5.0	<5.0	128
	4/21/2010	<5.0	<5.0	13.2	<5.0	<5.0	134
	7/22/2010	<5.0	<5.0	6.0	<5.0	<5.0	122
	10/13/2010	<5.0	<5.0	<5.0	<5.0	<5.0	134
	4/29/2011	<5.0	<5.0	<5.0	10.0	<5.0	96.4
	7/28/2011	<5.0	<5.0	<5.0	<5.0	<5.0	228
MW-169S	11/7/2005	<5.0	<5.0	<5.0	<5.0	NA	<2.0
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MW-169D	11/7/2005	<5.0	<5.0	<5.0	<5.0	NA	5.1
	6/5/2008	<5.0	<5.0	<5.0	<5.0	<5.0	14.3
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	6.1
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	9.1
MW-170S	6/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0	5.5
	6/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MW-170D	6/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0	230
	6/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	174
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	161
	7/7/2010	<5.0	<5.0	<5.0	<5.0	<5.0	233
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	100
MW-171S	6/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
MW-171D	6/3/2008	<5.0	<5.0	<5.0	<5.0	<5.0	3.0
	6/16/2009	<5.0	<5.0	<5.0	<5.0	<5.0	2.2
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	6.3
	7/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/29/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
Floral Park Cemetery Wells (Off-site)							
MMW-C-01	11/20/2008	15.7	8.3	296	<5.0	<5.0	<2.0
	3/17/2009	<5.0	<5.0	508	7.3	<5.0	<2.0
	6/18/2009	23.2	<5.0	<5.0	<5.0	<5.0	<2.0
	8/6/2009	84.8	<5.0	66.9	<5.0	<5.0	35.2
	11/3/2009	12.6	<5.0	211	8.9	<5.0	2,720
	2/3/2010	<5.0	<5.0	176	10.1	<5.0	1,790
	4/21/2010	15.3	<5.0	165	7.1	<5.0	1,660
	7/22/2010	40.9	<5.0	22.4	<5.0	<5.0	8.1
	10/14/2010	<5.0	<5.0	69.1	<5.0	<5.0	1,100
	1/19/2011	<5.0	<5.0	14.7	<5.0	<5.0	215
	5/5/2011	22.2	<5.0	<5.0	<5.0	<5.0	<2.0
	7/27/2011	36.7	<5.0	17.1	<5.0	<5.0	150
IDEM RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEM RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Table 3
Cumulative Monitoring Well Groundwater Analytical Results
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Well ID	Sample Date	PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Chloroform	Vinyl chloride
		ug/l	ug/l	ug/l	ug/l	ug/l	ug/l
MMW-C-02	11/20/2008	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	3/17/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	6/18/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	8/6/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	11/3/2009	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	2/3/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/21/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/22/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	10/13/2010	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	1/19/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	4/30/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
	7/27/2011	<5.0	<5.0	<5.0	<5.0	<5.0	<2.0
IDEML RISC Industrial Default Cleanup Level - 2006		55	31	1,000	2,000	1,000	4
IDEML RISC Residential Default Cleanup Level - 2006		5	5	70	100	80	2

Notes:

All Values Over IDEML RISC Default Industrial Cleanup Level in **RED**

All Values Over IDEML RISC Default Residential Cleanup Level in **BLUE**

PCE = Tetrachloroethene; TCE = Trichloroethene; cis-1,2-DCE = cis-1,2-Dichloroethene; trans-1,2-DCE = trans-1,2-Dichloroethene

Green Shading indicates areas that appear to be undergoing reductive dechlorination due to CAP-18 Injections

"J" designation indicates concentration was estimated due to high concentration of one parameter requiring dilution on other parameter quantitations

All analytical results presented in micrograms per liter (ug/L).

Table 4
Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation
Monitored Natural Attenuation Indicator Parameters
3801-3823 West Michigan Street
Michigan Plaza
Indianapolis, Indiana
MUNDELL Job No.: M01046

		Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation																								
Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methan				
		-	ug/L	mV	uS/cm																ug/l					
		FIELD MEASUREMENTS																								
MMW-1S	2/22/2007	8.0	4,800	290	920.0																					
	9/19/2007	7.2	3,100	240	1100.0																					
	12/13/2007		6,400	430	910.0																					
	3/21/2008		1,650	230	3752.6	8.3							37.5													
	6/3 & 6/6/2008		1,286		3346.1	2.5							36.6	9.0	0.14	0.35	<0.10	<0.070	0.35	<0.070	1.4	<0.070	<0.025	<0.025	270	
	9/11/2008					5.8							95.0													
	11/20/2008	6.8	824	533	3044.0	<0.10							71.3													
	3/16/2009	6.7	4,879	484	2794.0	7.3							67.6													
	6/16/2009					9.3							42.8													
	8/5/2009					<0.10							150													
	11/2/2009	6.7	1,900	-28	1235.4	<0.10							12.4									0.12	0.18	14,000		
	2/3/2010	6.7	5,359	-47	1163.7	<0.10							13.3									0.086	0.10	18,000		
	4/22/2010	6.8	2,753	-43	1309.1	9.6							33.6													
	7/21 & 7/22/2010	6.6	2,413	18	1543.3	5.6							51.4													
	10/12/2010	6.6	5,576	-229	1518.3	<0.10							60.0													
	1/19/2011	6.8	2,245		1190.3	<0.10							76.4	<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15				
	5/4/2011	6.8	2,771	-79	1258.1	19.3	<0.10	0.0	1.8	35.0	0.12	<0.050	<0.050	<0.050	<0.15	0.38	<0.070	0.072	<0.15	<0.025	0.048	12.0				
	7/28/2011	6.6	730	-179	1474.0	<0.10	<0.10	0.0	3.1	96.0	0.25	0.092	<0.050	<0.050	<0.15	0.87	<0.070	0.068	<0.15	<0.025	0.160	9,000				
*MMW-2S	6/2/2008	7.0			867.7																					
	4/22/2010	7.2	7,865	107	786.4																					
	4/30/2011	7.3	9,482	21	619.5																					
*MMW-3S	6/6/2008	7.0	505		2673.1																					
	4/20/2010	7.2	454	75	932.6																					
	5/4/2011	7.2	587	-228	892.3																					
*MMW-4D	6/2/2008	7.0	153		1541.2																					
	4/20/2010	7.1	379	0	1209.8																					
	4/29/2011	7.1	764	-104	1227.6																					
*MMW-5D	6/2/2008	7.1			1090.6																					
	4/20/2010	7.1	304	126	1064.0																					
	4/29/2011	7.3	266	-233	1472.3																					
*MMW-6D	6/6/2008	7.4	514		2907.3																					
	4/20/2010	7.4	362	51	1060.9																					
	4/29/2011	7.3	142	-251	1238.8																					
*MMW-7S	6/6/2008	6.4	441		3119.3																					
	4/20/2010	6.8	637	200	1013.2																					
	5/4/2011	6.9	1,321	-205	1080.1																					
MMW-8S	9/19/2007	7.7	2,300	-43	780.0																					
	12/13/2007	6.0		220	1.5																					
	3/20/2008		180		0.3																					
	6/6/2008		1,271		3385.2																					
	11/20/2008	7.1	487	515	2761.4																					
	3/16/2009	6.6	2,188	698	2647.0																					
	8/5/2009	7.1	2,439	-160	1024.3																					
	11/2/2009	7.0	1,805	-71	955.4																					
	2/3/2010	7.0	4,638	-49	840.9																					
	4/22/2010	7.1	1,303	-47	891.8																					
	7/21/2010	7.0	1,709	-32	995.1																					
	10/12/2010	7.1	124	-274	879.8																					
	1/19/2011	6.7	969		1002.3																					
	4/30/2011	6.8	200	-164	1905.7	16.3	<0.40	2.5	2.2	108	0.10	<0.050	<0.050	<0.050	<0.15	0.22	<0.070	0.065	<0.15	0.070	33.0	7,600				
	7/28/2011	6.6	2,202	-47	2259.3	<0.10	<0.10	3.5	1.1	227	<0.070	<0.050	<0.050	<0.15	0.20	<0.070	<0.050	<0.15	0.160	26.0	8,500					

Table 4 Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation																								
Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane		
		-	ug/L	mV	uS/cm						mg/L										ug/l			
		FIELD MEASUREMENTS				LAB RESULTS																		
MMW-9S	9/20/2007	7.7	3,000	260	1500.0																			
	12/12/2007		9,300	180	1300.0																			
	3/21/2008		44	918	5173.4																			
	6/6/2008	6.9			1223.7	<0.10					154	3.0	<0.070	<0.10	<0.10	<0.070	0.28	<0.070	1.1	0.22	0.10	0.48	4,400	
	9/11/2008					<0.10																		
	11/20/2008	6.5	419	558	4141.3	<0.10																		
	3/16/2009	6.8	4,601	222	3678.1	<0.10																		
	6/16/2009				12.0	<0.10																		
	8/5/2009					<0.10																		
	11/2/2009	6.6	1,861	35	1396.4	<0.10															0.13	160	6,200	
	2/3/2010	6.6	5,596	11	1372.2	<0.10															0.12	150	9,400	
	2/4/2010																							
	4/22/2010	6.6	1,456	-61	2012.4	<0.10																		
	7/21/2010	6.6	3,403	-60	1485.9	<0.10																		
	10/12/2010	6.6	564	-308	1540.1	<0.10																		
	1/19/2011	6.9	2,815		1500.3	0.22																		
	5/4/2011	6.7	235	-255	1878.6	<0.10	<0.10	6.0	3.8	189	0.094	<0.050	<0.050	<0.15	0.34	<0.070	0.06	<0.15	1.5	82.0	12,000			
	7/27/2011	6.5	434	-187	1835.3	<0.10	<0.10	3.2	1.7	217	<0.070	<0.050	<0.050	<0.15	0.27	<0.070	<0.050	<0.15	1.6	48.0	16,000			
MMW-10S	9/19/2007	7.4	1,900	260	1400.0																			
	12/12/2007		6,000	250	1300.0																			
	3/21/2008		109		5514.0																			
	6/6/2008	6.7	230		1604.6																			
	9/10/2008	6.5	308		4517.3																			
	11/20/2008	6.6	545	585	4320.5																			
	3/16/2009	6.9	5,003	159	3510.4																			
	11/2/2009	6.6	1,970	-15	1683.6																			
	2/3/2010	6.6	5,474	-43	1547.1																			
	4/22/2010	6.6	1,396	-91	1835.1																			
	7/20/2010	6.6	2,423	-56	1806.6																			
	10/12/2010	6.6	951	-261	1852.2																			
	1/19/2011	6.9	2,654		1523.3																			
	5/4/2011	6.7	243	-247	1630.2	<0.10	<0.10	4.5	3.0	368	0.083	<0.070	<0.10	<0.10	<0.070	0.40	<0.070	0.063	<0.15	0.028	14.0	9,700		
	7/27/2011	6.6	513	-158	1,735	<0.10	<0.10	3.0	3.4	414	0.055	<0.070	<0.10	<0.10	0.150	0.28	<0.070	0.049	<0.15	0.150	29.0	13,000		
MMW-11S	9/19/2007	7.6	2,300	220	880.0																			
	12/13/2007		390		720.0																			
	3/20/2008		200		3617.6																			
	6/5 & 6/6/2008	7.1			723.8	<0.10																		
	9/10 & 9/11/2008	6.8	338		0.3	<0.10																		
	11/20/2008	7.0	782	518	2954.9	<0.10																		
	3/16/2009	6.6	2,540	738	2887.2	5.6																		
	6/16/2009					<0.10																		
	8/5/2009	7.0	2,457	127	951.5	<0.10																		
	11/2/2009	6.9	1,847	40	981.8	1.2															0.035	0.044	2.9	
	2/3/2010	6.9	4,936	-24	1043.2	3.6															0.013	0.026	0.26	
	4/22/2010	7.0	1,807	10																				

Table 4
Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation
Monitored Natural Attenuation Indicator Parameters
3801-3823 West Michigan Street
Michigan Plaza
Indianapolis, Indiana
MUNDELL Job No.: M01046

Table 4 Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation																						
Monitored Natural Attenuation Indicator Parameters																						
3801-3823 West Michigan Street																						
Michigan Plaza																						
Indianapolis, Indiana																						
MUNDELL Job No.: M01046																						
Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm															ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																
MMW-12S	3/16/2009	6.6	4,079	606	2817.7																	
	11/2/2009	6.9	1,885	116	948.2																	
	2/3/2010	6.8	5,624	251	1038.5																	
	4/20/2010	7.0	234	170	1046.2																	
	7/20/2010	7.0	10,359	160	932.5																	
	10/12/2010	6.9	349	-155	1026.0																	
	1/18/2011	6.6	640		1050.5																	
	4/30/2011	6.9	296	-118	1075.0																	
	7/26/2011	6.8	400	-114	1006.6																	
MMW-13D	3/16/2009	6.6	3,463	662	2420.6																	
	8/5/2009	7.2	2,502	-49	867.0																	
	11/2/2009	7.2	1,790	-61	664.9																	
	2/3/2010	7.2	5,090	-75	700.2																	
	4/22/2010	7.1	1,743	-55	828.3																	
	7/20/2010	7.2	1,906	-38	823.8																	
	10/12/2010	7.3	116	-255	759.8																	
	1/19/2011	6.6	230		697.0																	
	4/30/2011	7.2	340	-128	877.9																	
MMW-14D	3/21/2008		78	895	5197.5																	
	6/5/2008	7.1			1003.5																	
	9/11/2008	7.0	14		0.4																	
	11/19/2008	6.9	1,070																			
	3/18/2009	6.7	850	780	2190.7																	
	8/5/2009	7.1	2,440	-83	763.8																	
	11/2/2009	7.1	1,820	1	782.7																	
	2/3/2010	7.0	5,793	303	779.2																	
	4/20/2010	7.1	231	111	750.8																	
MMW-P-01	7/20/2010	7.1	4,430	-55	803.6																	
	10/12/2010	7.1	221	-224	820.2																	
	1/18/2011	6.7	247		812.7																	
	4/30/2011	7.2	397	-150	738.4																	
	7/26/2011	7.0	262	-183	827.0																	
	3/20/2008		21		5619.1																	
	6/7/2008		1,252		0.4																	
	11/19/2008	6.7	221																			
	3/17/2009	6.8	929	468	3419.4																	
MMW-P-02	11/3/2009	6.7	1,774	-48	1824.2																	
	2/4/2010	6.9	697	-132	1530.4																	
	4/22/2010	7.1	1,376	-255	1493.8																	
	7/7/2010										2.5	<0.05	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	7/21/2010	6.8	2,113	-130	1421.3																	
	10/14/2010	6.8	203	-164	1382.5																	
	1/20/2011	6.8	1,354		1609.8																	
	5/5/2011	6.7	1,003	-176	1977.6	1.9	0.15	2.4	6.3	285	0.10	<0.070	<0.10	<0.10	<0.070	0.45	<0.070	0.071	<0.15	0.12	240	3,000
	7/28/2011	6.7	628	-161	1508.8	<0.10	<0.10	3.2	3.4	145	<0.070	<0.050	<0.050	<0.15	0.28	<0.070	0.050	<0.15	0.76	670	13,000	
MMW-P-02	3/20/2008		155		4637.4																	
	6/7/2008		1,180		4112.8																	
	9/11/2008	6.9	101		0.3																	
	11/19/2008	6.9	574																			
	3/17/2009	6.7	852	858	3641.0																	
	11/3/2009	7.0	2,066	98	1006.2																	
	2/4/2010	6.8	693	272	1324.1																	
	4/22/2010	7.0	148	256	1346.3																	
	7/21/2010	6.9	1,806	-10	1121.8																	
MMW-P-02	10/13/2010	6.9	281	-209	1089.7																	
	1/19/2011	6.7	1,617		1256.8																	
	5/4/2011	6.9	321	-245	1263.9	<0.10	<0.10	1.8	1.7	33.2	0.13	<0.070	<0.10	<0.10	<0.070	0.32	<0.070	0.076	<0.15	1.1	1,600	17,000
	7/27/2011	6.9	322	-225	1083.8	<0.10	<0.10	2.5	1.0	190	<0.070	<0.050	<0.050	<0.150	0.28	<0.070	<0.050	<0.15	1.2	240	4,300	

		Table 4 Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation																				
Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm					mg/L										ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																
MMW-P-03S	3/20/2008				5093.3					86.8												
	6/5, 6/6 & 6/7/2008		1,176		4004.7	<0.10				84.9	31.0	0.45	0.14	<0.10	0.12	1,400	1,200	31.0	0.37	5.3	0.82	59.0
	9/11/2008					<0.10				117												
	11/19/2008	6.8	127			<0.10				43.8												
	3/17/2009	6.7	812	809	3372.1	<0.10				42.1												
	6/17/2009					<0.10				<5.0												
	8/6/2009					<0.10				9.4												
	11/3/2009	6.9	1,783	-81	1162.9	<0.10				8.1									2.1	7.1	17,000	
	2/3 & 2/4/2010	6.9	751	-63	1303.5	<0.10				38.4									0.63	11.0	18,000	
	4/22/2010	6.9	170	-63	970.5	<0.10				18.8												
	7/21/2010	6.8	2,016	-72	1300.2	<0.10				<5.0												
	10/13/2010	6.9	270	-274	1333.0	<0.10				21.4												
	1/19/2011	6.8	1,417		905.3																	
	5/4/2011	6.8	234	-287	1227.4	<0.10	<0.10	2.8	4.2	<5.0	4.1	<0.070	<0.10	<0.10	<0.070	0.37	<0.070	0.23	<0.15	9.6	410	21,000
	7/27/2011	6.8	412	-175	1290.2	<0.10	<0.10	5.0	2.3	51.4	0.06	<0.050	<0.050	<0.050	<0.150	0.31	<0.070	0.051	<0.15	0.8	1,200	14,000
MMW-P-03D	3/20/2008		56		1718.8																	
	6/5 & 6/6/2008					<0.10				46.0	53.0	0.43	<0.10	<0.10	0.23	1.2	0.380	24.0	0.85	0.39	0.94	1,200
	9/11/2008					<0.10				22.3												
	11/19/2008					<0.10				<5.0												
	3/17/2009	6.7	806	757	3253.2	<0.10				<5.0												
	6/17/2009					<0.10				6.8												
	8/6/2009					<0.10				32.1												
	11/3/2009	6.8	1,791	-48	1406.3	<0.10				<5.0									2.2	4.8	17,000	
	2/4/2010	6.7	661	64	1360.5	<0.10				<5.0									2.7	8.3	25,000	
	4/22/2010	6.9	143	-16	1143.8	<0.10				<5.0												
	7/21/2010	6.8	2,235	-125	1084.8	<0.10				6.8												
	10/13/2010	6.7	269	-246	1358.0	<0.10				<5.0												
	1/19/2011	6.3	2,351		1149.7	<0.10				25.8	0.60	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	5/4/2011	6.8	267	-294	1194.9	<0.10	<0.10	2.9	3.8	35.5	0.22	<0.070	<0.10	<0.10	<0.070	0.48	<0.070	0.084	<0.15	0.40	110	14,000
	7/27/2011	6.8	367	-192	1284.7	<0.10	<0.10	5.3	1.8	25.6	0.34	<0.050	<0.050	<0.050	<0.15	0.25	<0.070	0.067	<0.15	25.0	1,400	26,000
MMW-P-04	3/20/2008		233		0.3																	
	6/5/2008	6.9			1416.9																	
	9/11/2008	7.0			0.5																	
	11/19/2008	7.0	811																			
	2/12/2010	6.9	1,005	199	827.4																	
	4/21/2010	7.0	237	-47	808.1																	
	7/22/2010	6.7	3,591	-40	964.2																	
	10/13/2010	6.7	869	-203	1025.3																	
	5/5/2011	7.1	1,389	-185	1036.9	1.2	0.18	0.0	43.0	26.9	2.3	0.10	0.64	0.24	<0.070	1.4	<0.070	0.46	<0.15	0.044	11.0	10,000
	7/28/2011	6.7	1,011	-174	1363.1	<0.10	<0.10	4.7	18.1	<0.10	24	0.22	<0.050	<0.050	<0.15	<1.0	<0.070	1.7	<0.15	0.440	570	18,000
	3/20/2008				6086.2																	
	6/5/2008	6.9			1150.6																	
	9/11/2008	7.1			0.3																	
MMW-P-05	11/19/2008	6.8	870	3,652																		

Table 4 Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation																							
Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane	
		-	ug/L	mV	uS/cm					mg/L											ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																	
MMW-P-06	3/20 & 3/21/2008	29	900	4293.5					62.6														
	6/5 & 6/6/2008	7.1			980.4	<0.10			30.5	60.0	1.7	<0.10	<0.10	0.21	1.4	1.2	29.0	0.44	0.47	0.54	290		
	9/11/2008	6.8			0.7	<0.10			39.1														
	11/19/2008	6.9	715			<0.10			130														
	3/17/2009	6.7	1,063	710	3884.4	<0.10			9.4														
	6/17/2009					<0.10			61.7														
	8/6/2009					<0.10			29.7														
	11/3/2009	6.9	1,631	-105	1276.4	<0.10			73.2											1.9	200	18,000	
	2/4/2010	7.0	725	-86	927.1	<0.10			10.3											0.66	300	15,000	
	4/22/2010	6.9	1,405	-106	1129.2	0.10			15.3														
	7/21/2010	7.0	2,001	-112	1448.3	<0.10			38.7														
	10/14/2010	6.9	162	-121	1194.9																		
	1/20/2011	6.8	1,062		1263.5	<0.10			65.8	<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15					
	5/4/2011	6.9	225	-296	1338.1															0.51	2,400	17,000	
	7/28/2011	6.9	812	-198	1302.6															0.92	3,700	20,000	
MMW-P-07	3/21/2008	9	937	6055.8																			
	6/7/2008		1,200		5032.7																		
	9/11/2008	6.7			0.7																		
	11/19/2008	6.5	846																				
	3/17/2009	6.8	880	745	4022.3																		
	11/3/2009	6.6	1,745	-72	2224.1																		
	2/4/2010	6.7	721	-92	1800.3																		
	4/22/2010	6.7	1,400	-154	1924.8																		
	7/22/2010	6.6	3,369	-55	1605.5																		
	10/14/2010	6.6	359	-148	2187.6																		
	1/20/2011	6.7	1,377		1347.0																		
	5/4/2011	6.7	349	-242	1632.1	<0.10	<0.10	3.0	3.9	97.5	2.0	<0.070	<0.10	<0.10	<0.070	0.50	<0.070	0.15	<0.15	0.049	520	6,000	
	7/28/2011	8.3	765	-161	2098.5	<0.10	<0.10	3.8	4.0	33.1	3.9	0.14	<0.050	<0.050	<0.15	0.98	<0.070	0.23	<0.15	0.120	480	8,100	
MMW-P-08	3/20 & 3/21/2008	2.3	245	3645.7					129														
	6/5 & 6/6/2008	7.0			1118.2	0.12			<5.0	0.12	<0.070	<0.10	<0.10	<0.070	0.22	<0.070	<0.070	0.30	2.0	2,800			
	9/10 & 9/11/2008	7.3	467		0.3	<0.10			<5.0														
	11/19/2008	7.0	1,129			<0.10			7.2														
	3/17/2009	6.8	876	674	4083.5	<0.10			5.1														
	6/17/2009					<0.10			5.0														
	8/6/2009					<0.10			38.3														
	11/3/2009	6.5	1,676	-74	1547.6	<0.10			23.6											0.081	320	8,000	
	2/4/2010	6.6	631	-86	1629.4				<5.0											0.075	640	17,000	
	4/22/2010	6.7	1,408	-202	1804.3	<0.10			8.5														
	7/22/2010	6.8	3,994	-70	939.3	<0.10			34.0														
	10/14/2010	6.7	395	-175	1923.7	<0.10			<5.0														
	1/20/2011	6.8	1,907		1965.5	<0.10			21.0	19.0	0.27	<0.050	<0.050	<0.15	<0.10	<0.070	2.1	<0.15					
	5/4/2011	6.8	221	-272	920.7	<0.10	<0.10	3.0	6.2	44.5	0.16	0.10	<0.10	<0.070	0.26	<0.070	0.077	<0.15	0.34	430	6,800		
	7/27/2011	6.5	597	-146	2323.7	<0.10	<0.10	3.8	3.0	185	0.												

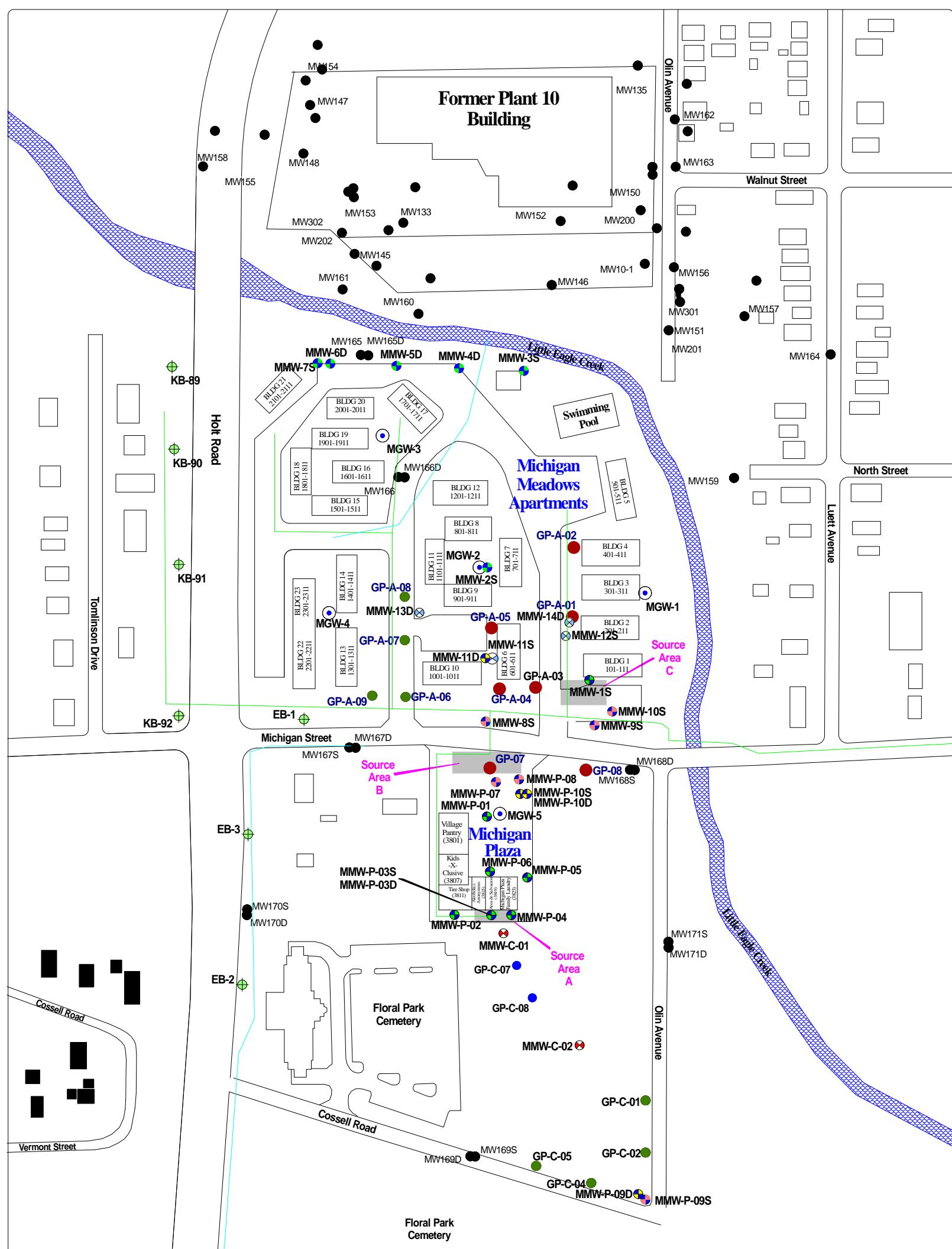
Table 4 Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation																						
Monitored Natural Attenuation Indicator Parameters 3801-3823 West Michigan Street Michigan Plaza Indianapolis, Indiana MUNDELL Job No.: M01046																						
Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm						mg/L									ug/l		
		FIELD MEASUREMENTS				LAB RESULTS																
MMW-P-09D	3/20/2008	1.4	107		8894.3																	
	6/7/2008		443		3784.4																	
	11/19/2008	6.9	1,106		NS																	
	3/17/2009	6.6	819	834	2616.0																	
	11/3/2009	7.1	1,717	-59	897.8																	
	2/3/2010	7.1	4,243	-78	862.0																	
	4/22/2010	7.1	1,360	-64	884.7																	
	7/22/2010	7.2	3,702	-59	929.0																	
	10/13/2010	7.1	694	-282	903.0																	
	1/19/2011	6.1	1,079		788.7																	
	4/30/2011	7.2	347	-184	851.5																	
	7/26/2011	7.0	567	-198	919.1																	
	3/20/2008	1.7			4589.7	0.52				50.8												
MMW-P-10S	6/5, 6/6 & 6/7/2008		1,078		3508.2	<0.10				71.8	0.11	<0.070	<0.10	<0.10	<0.070	0.21	<0.070	<0.070	0.16	1.3	50.0	
	9/11/2008	7.0	45		0.4	<0.10				111												
	11/19/2008	6.9	1,034		<0.10					34.4												
	3/17/2009	6.8	863	653	3958.2	<0.10				54.6												
	6/17/2009				<0.10					9.4												
	8/6/2009				<0.10					<5.0												
	11/3/2009	6.8	1,566	-112	705.5	<0.10				9.5								0.77	27.0	2,300		
	2/4/2010	6.7	614	-93	1663.5	<0.10				69.2								1.7	230	14,000		
	4/22/2010	7.0	1,564	-200	971.3	<0.10				15.8												
	7/21/2010	6.9	1,868	-105	900.8	<0.10				<5.0												
	10/14/2010	6.6	404	-154	1681.7	<0.10				85.8												
	1/20/2011	6.7	1,102		1009.0	0.12				29.2	4.7	0.15	<0.050	<0.050	<0.15	<0.10	<0.070	0.26	<0.15			
	5/5/2011	7.5	101	-341	329.6	<0.10	<0.10	1.8	2.7	17.6	0.16	<0.070	<0.10	<0.10	<0.070	0.37	<0.070	<0.050	<0.15	2.2	6.1	5,800
	7/27/2011	6.7	543	-170	1583.3	<0.10	<0.10	3.2	3.7	87.9	<0.070	<0.050	<0.050	<0.050	<0.15	0.21	<0.070	0.052	<0.15	1.4	120	13,000
MMW-P-10D	6/7/2008	1.7	1,134		4183.6																	
	3/17/2009	6.6	838	574	2733.7																	
	11/3/2009	6.8	1,699	-98	1104.1																	
	2/4/2010	6.8	619	-101	992.6																	
	4/22/2010	7.1	1,371	-192	857.0																	
	7/22/2010	6.8	2,694	-27	913.1																	
	10/14/2010	6.7	351	-165	1341.4																	
	1/20/2011	6.7	1,155		1338.7						0.072	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	5/5/2011	7.1	160	-300	597.7	<0.10	<0.10	1.8	2.8	43.0	0.10	<0.050	<0.10	<0.10	<0.070	0.19	<0.070	0.071	<0.15	1.2	200	18,000
	7/27/2011	6.8	539	-162	1073.2	<0.10	<0.10	5.0	2.1	64.1	<0.070	<0.050	<0.050	<0.050	<0.15	0.26	<0.070	<0.050	<0.15	1.8	530	23,000
MW-165D	7/7/2010																					
*MW-167S	4/21/2010	6.9	173	102	1212.3																	
*MW-167D	4/29/2011	7.1	7,894	75	916.5																	
MW-168S	6/7/2008	0.1	454		2800.6																	
	4/21/2010	7.2	163	64	803.3																	
	4/29/2011	7.1	251	-116	910.1																	
	3/20/2008					2.2				251												
MW-168D	6/5 & 6/6/2008	6.8			1395.0	5.8				190	0.12	<0.070	<0.10	<0.10	<0.070	0.21	<0.070	<0.070	<0.070	0.052	<0.025	

		Table 4 Cumulative Groundwater Analytical Data for Enhanced Anaerobic Bioremediation																				
Well ID	Sample Date	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity	Nitrogen, Nitrate	Nitrogen, Nitrite	Iron	Total Organic Carbon	Sulfate	Acetic Acid	Butyric Acid	Hexanoic Acid	i-Hexanoic Acid	i-Pentanoic Acid	Lactic Acid and HIBA	Pentanoic Acid	Propionic Acid	Pyruvic Acid	Ethane	Ethene	Methane
		-	ug/L	mV	uS/cm																ug/l	
		FIELD MEASUREMENTS				LAB RESULTS																
*MW-169S	4/21/2010	7.1	228	-49	848.4																	
	4/29/2011	6.9	3,567	19	975.4																	
*MW-169D	6/7/2008		636		3354.6																	
	4/21/2010	7.1	207	-53	783.5																	
	4/29/2011	7.0	232	-177	880.0																	
*MW-170S	6/3/2008	7.1	187		1437.8																	
	4/21/2010	7.0	162	90	1489.9																	
	4/29/2011	7.0	486	-44	1241.0																	
*MW-170D	6/3/2008		7		969.5																	
	7/7/2010										<0.070	<0.050	<0.050	<0.050	<0.15	<0.10	<0.070	<0.050	<0.15			
	4/21/2010	7.1	190	87	1148.6																	
	4/29/2011	7.1	282	-142	1039.7																	
*MW-171S	6/7/2008	7.2	626		2714.6																	
	4/29/2011	7.0	4,282	70	798.8																	
*MW-171D	6/7/2008	7.3	415		3178.5																	
	4/21/2010	7.1	171	16	846.3																	
	7/22/2010	7.1	4,607	-47	1001.9																	
	4/29/2011	7.0	377	-164	887.8																	
MMW-C-01	9/10/2008	7.5	477		0.3																	
	11/20/2008	6.8	491	480	2907.9																	
	3/17/2009	6.6	770	693	2702.0																	
	11/3/2009	6.9	1,765	-100	983.5																	
	2/3/2010	6.9	3,818	-59	758.5																	
	4/21/2010	7.1	174	57	723.4																	
	7/22/2010	7.0	5,588	47	792.0																	
	10/13/2010	6.9	3,883	-29	834.6																	
	1/19/2011	6.8	1,522		741.5																	
	5/5/2011	7.4	9,253	-75	463.2	14.7	<0.40	0.0	<1.0	31.2	0.110	<0.070	<0.10	<0.10	<0.070	0.28	<0.070	<0.050	<0.15	<0.025	<0.025	
	7/27/2011	6.8	707	-190	1156.7	0.79	<0.1	0.0	1.8	113	<0.070	<0.050	<0.050	<0.050	<0.15	0.26	<0.070	<0.050	<0.15	0.12	170	
	11/20/2008	7.0	931	476	2806.7																	
	3/17/2009	6.6	811	867	2506.9																	
	11/38/09	6.8	1,811	24	784.9																	
	2/3/2010	6.8	3,782	76	778.9																	
	4/21/2010	6.9	177	202	786.3																	
	7/22/2010	6.9	2,670	30	755.8																	
	10/13/2010	6.8	212	-175	717.4																	
	1/19/2011	6.6	1,651		705.0	0.14																
	4/30/2011	6.9	3,184	-17	689.2																	
	7/27/2011	6.7	694	-146	811.9																	
MMW-C-02	11/20/2008	7.0	931	476	2806.7																	
	3/17/2009	6.6	811	867	2506.9																	
	11/38/09	6.8	1,811	24	784.9																	
	2/3/2010	6.8	3,782	76	778.9																	
	4/21/2010	6.9	177	202	786.3																	
	7/22/2010	6.9	2,670	30	755.8																	
	10/13/2010	6.8	212	-175	717.4																	
	1/19/2011	6.6	1,651		705.0	0.14																
	4/30/2011	6.9	3,184	-17	689.2																	
	7/27/2011	6.7	694	-146	811.9																	

Notes:

Sampling locations outlined in GREEN have been identified as 'Indicator Compound Locations.' These locations will be sampled quarterly for VOCs, Nitrate/Nitrite, Sulfate, Methane, Ethane, Ethene, Volatile Fatty Acids and Ferrous Iron, beginning 2nd Quarter 20

FIGURES

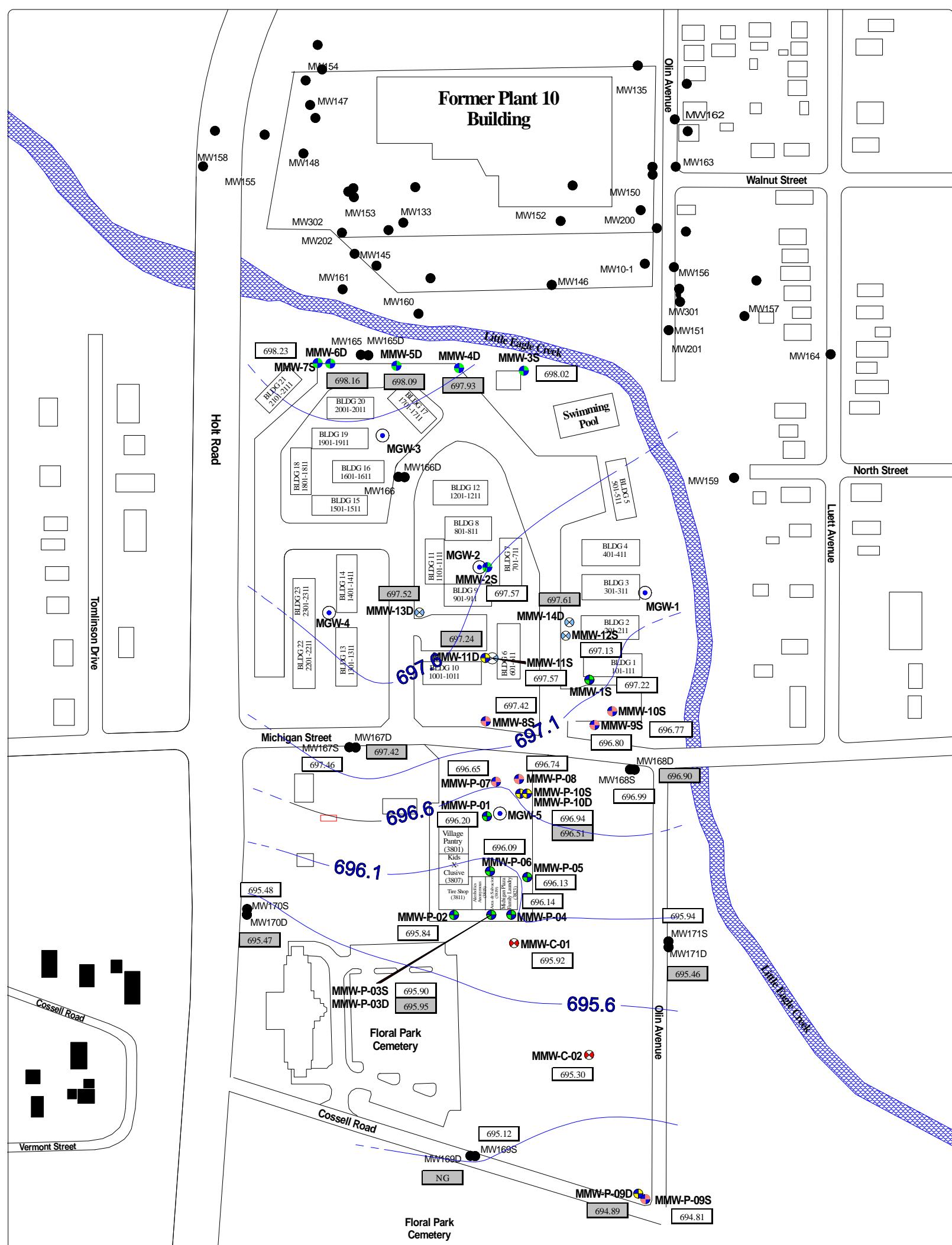


LEGEND

- | | | |
|-----------|---|---|
| MW160 | ● | Keramida/Enviro Monitoring Wells |
| MMW-P-06 | ● | MUNDELL Monitoring Wells, Michigan Plaza (September 2005) |
| MMW-P-07 | ● | MUNDELL Monitoring Wells (January 2007) |
| MMW-P-09D | ● | MUNDELL Monitoring Wells (May-June 2007) |
| MMW-C-01 | ● | MUNDELL Monitoring Wells (July/August 2008) |
| MMW-11S | ● | MUNDELL Monitoring Wells (November/December 2008) |
| GP-C-05 | ● | MUNDELL Soil Boring Locations (January 2007) |
| GP-07 | ● | MUNDELL Soil Boring Locations (September 2005) |
| GP-C-08 | ● | MUNDELL Soil Boring Locations (August 2008) |
| MGW-1 | ● | MUNDELL Soil Gas Well |
| EB-2 | ● | Enviro Soil Borings |
| | — | Sanitary Sewer |
| | — | Storm Sewer |

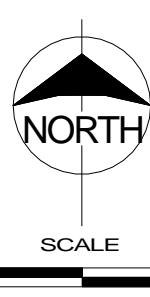


SCALE
0 200
feet
Keramida Monitoring Well Locations Referenced from Keramida Environmental, Inc.
Project No. 2829
March 13, 2002

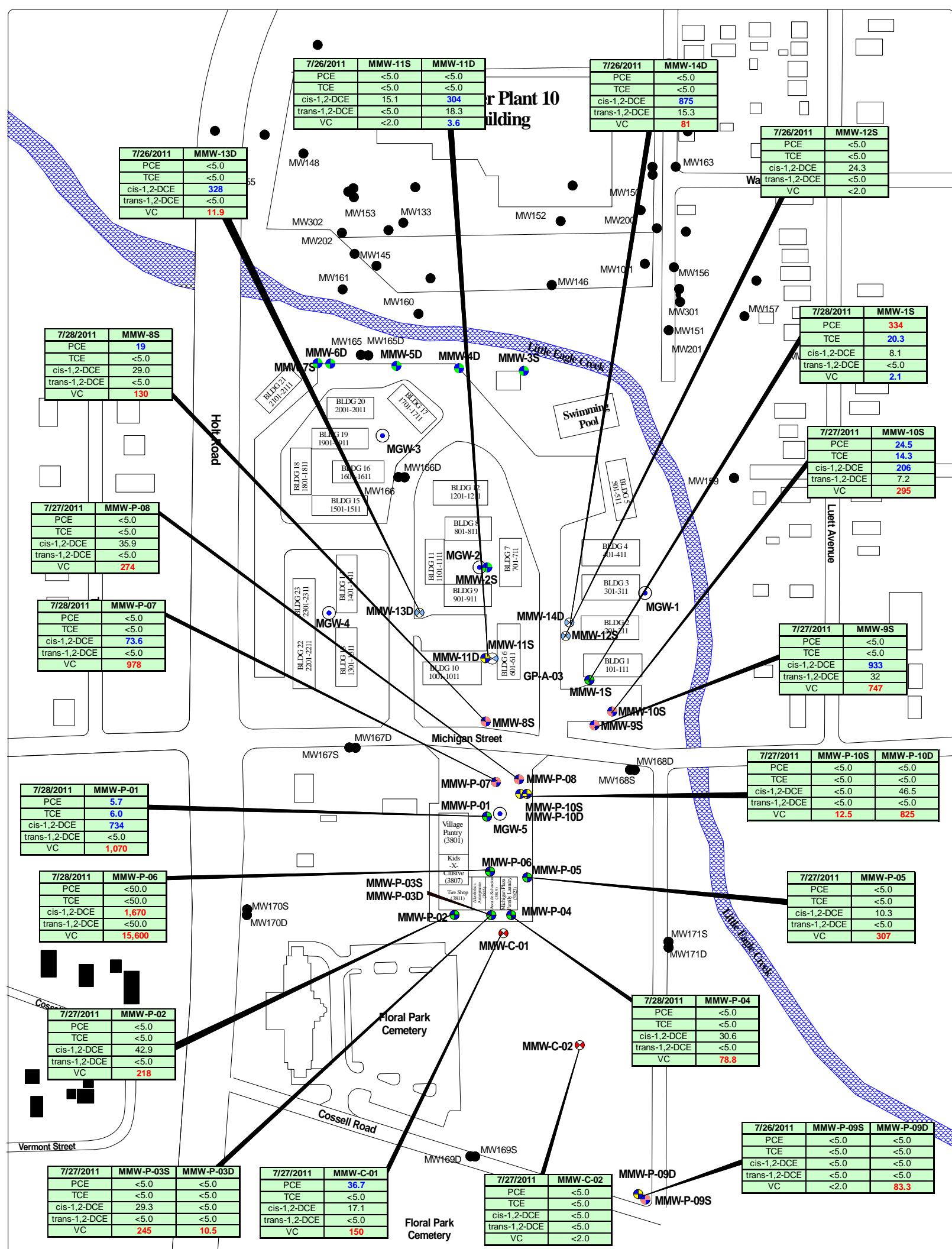


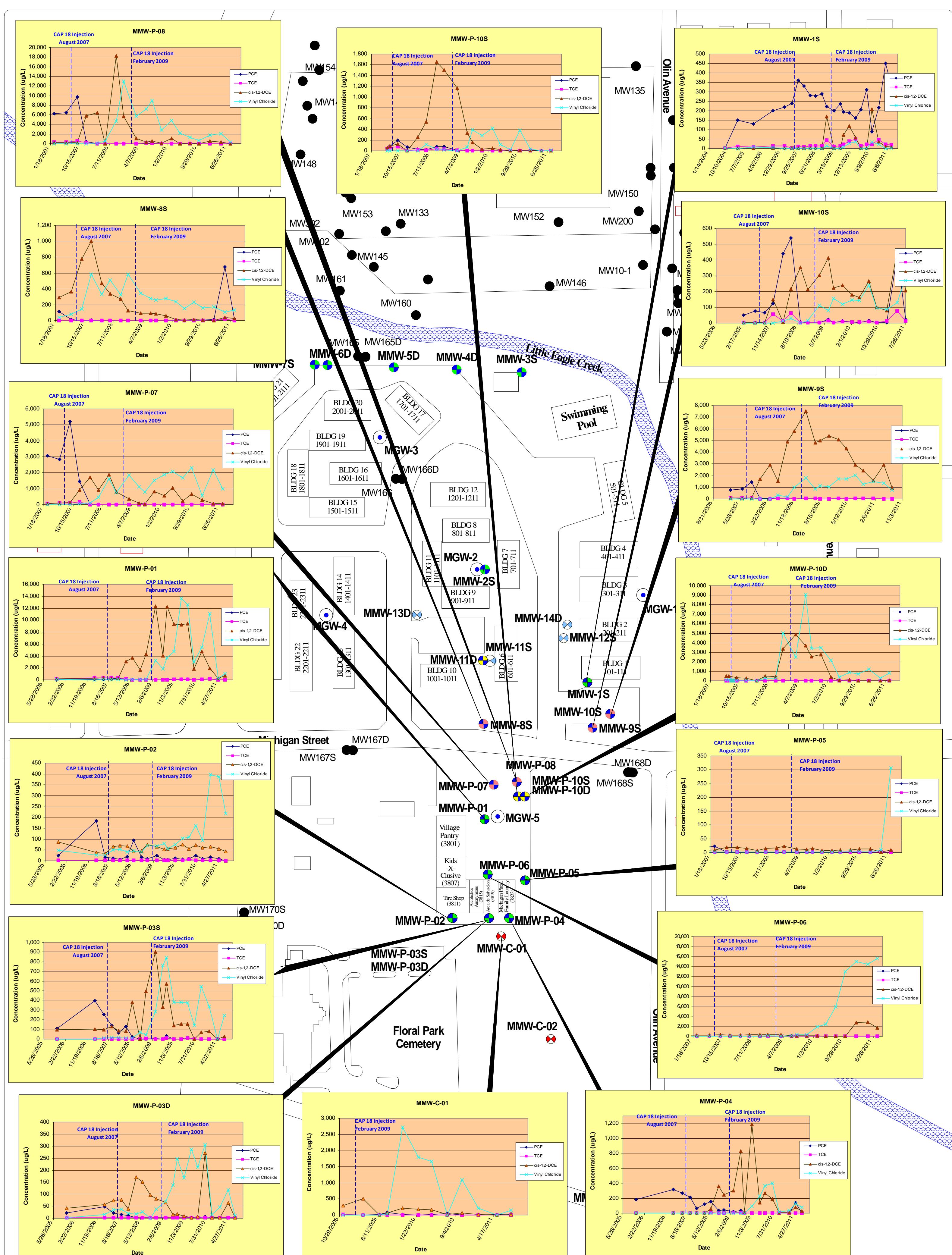
LEGEND

- Fence
- MW160 ● Keramida/Environ Monitoring Wells
- MMW-P-06 ● MUNDELL Monitoring Wells, Michigan Plaza (September 2005)
- MMW-P-07 ● MUNDELL Monitoring Wells (January 2007)
- MMW-P-09D ● MUNDELL Monitoring Wells (May-June 2007)
- MMW-C-01 ● MUNDELL Monitoring Wells (July/August 2008)
- MMW-11S ✕ MUNDELL Monitoring Wells (November/December 2008)
- MGW-1 ● MUNDELL Soil Gas Well
- Water Level as Measured on September 27, 2011
(gray boxes indicate groundwater elevation values
not used for the creation of the Shallow
Potentiometric Surface Map)
- NG - Not Gauged
- Potentiometric Surface Equipotential Lines
Contour Interval = 0.5 feet



Keramida Monitoring Well Locations Referenced
from Keramida Environmental, Inc.
Project No. 2829
March 13, 2002





LEGEND

- | | Fence |
|-----------|---|
| MW160 | Keramida/Environ Monitoring Wells |
| MMW-P-06 | MUNDELL Monitoring Wells, Michigan Plaza (September 2005) |
| MMW-P-07 | MUNDELL Monitoring Wells (January 2007) |
| MMW-P-09D | MUNDELL Monitoring Wells (May-June 2007) |
| MMW-C-01 | MUNDELL Monitoring Wells (July/August 2008) |
| MMW-11S | MUNDELL Monitoring Wells (November/December 2008) |
| MGW-1 | MUNDELL Soil Gas Well |



**Keramida Monitoring Well Locations Referenced
from Keramida Environmental, Inc.**

Project No. 2829

March 13, 2002



*110 South Downey Avenue
Indianapolis, Indiana 46219-6406
317-630-9060, fax 317-630-9065*

Project Number
M01046

Drawing File
Fig_4 IndicatorTree

Date Prepared
10/1/2011

Indicator Compound Trends in Groundwater

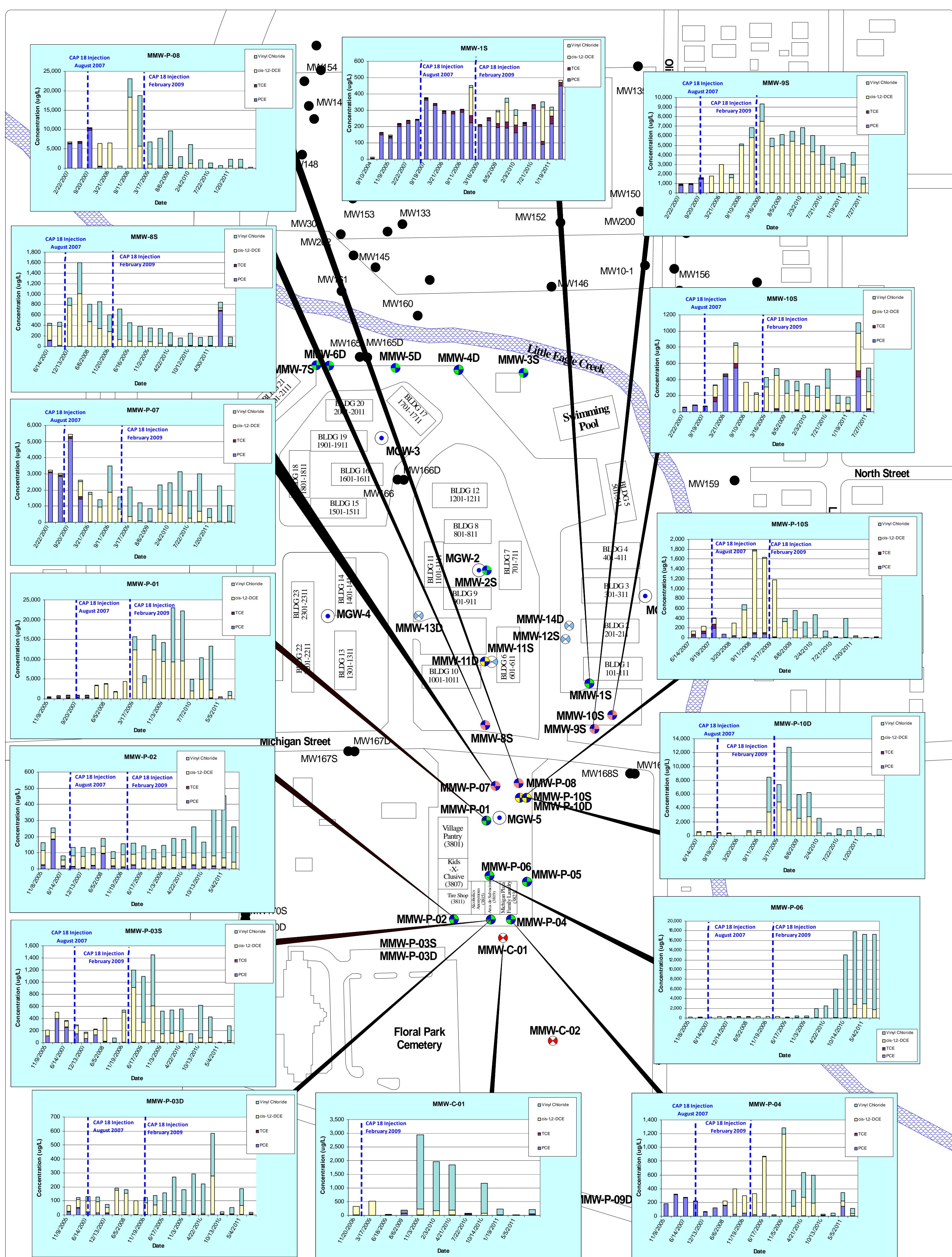
3rd Quarter 2011

Sampling Dates: July 26 - 28, 2011

*Michigan Plaza
3801 - 3823 West Michigan Street
Indianapolis, Indiana*

FIGURE

4



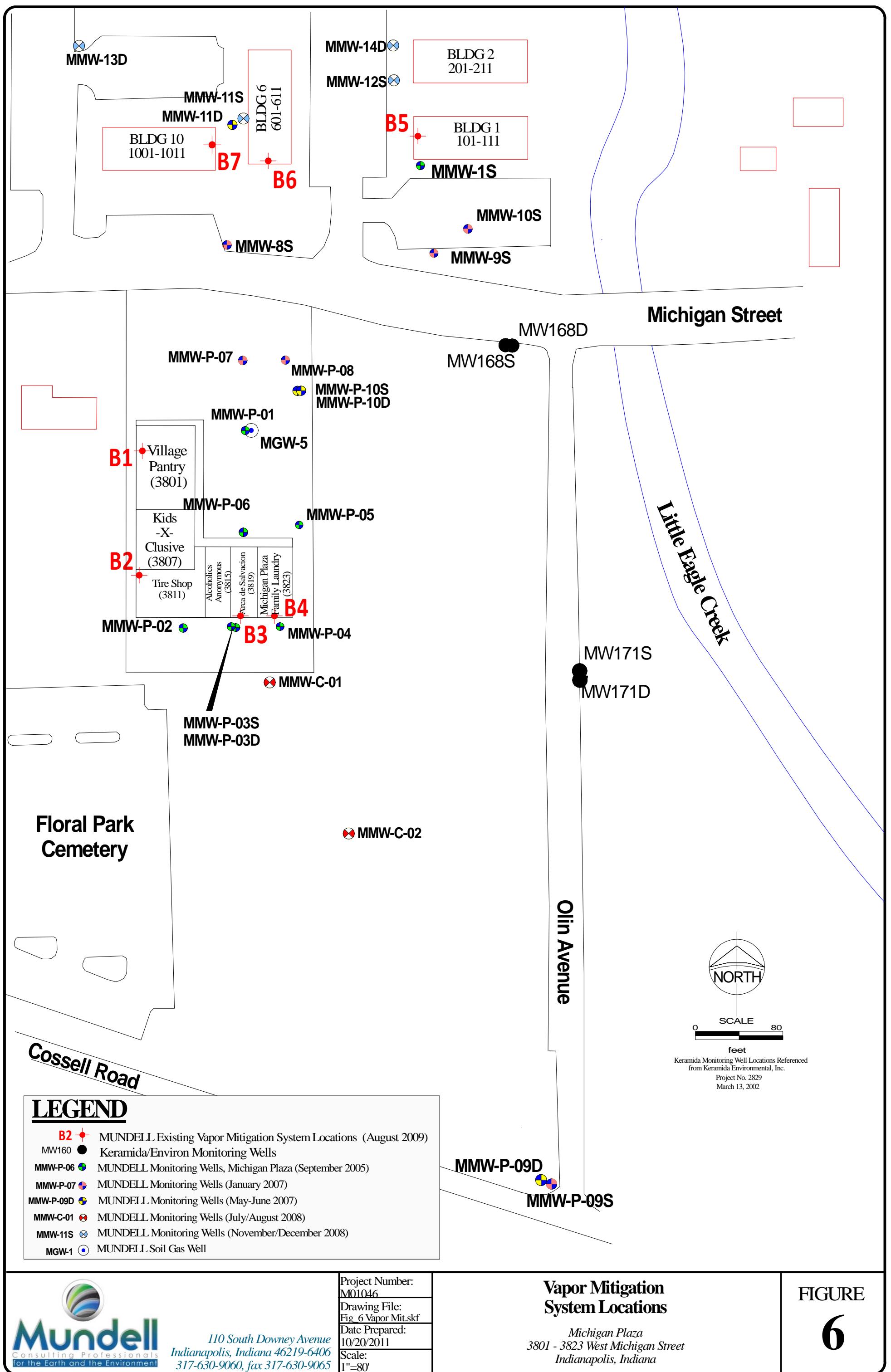
LEGEND

- MW160 ● Fence
- MMW-P-06 ● Keramida/Environ Monitoring Wells
- MMW-P-07 ● MUNDELL Monitoring Wells, Michigan Plaza (September 2005)
- MMW-P-09D ● MUNDELL Monitoring Wells (January 2007)
- MMW-P-03D ● MUNDELL Monitoring Wells (May-June 2007)
- MMW-C-01 ● MUNDELL Monitoring Wells (July/August 2008)
- MMW-11S ● MUNDELL Monitoring Wells (November/December 2008)
- MGW-1 ● MUNDELL Soil Gas Well

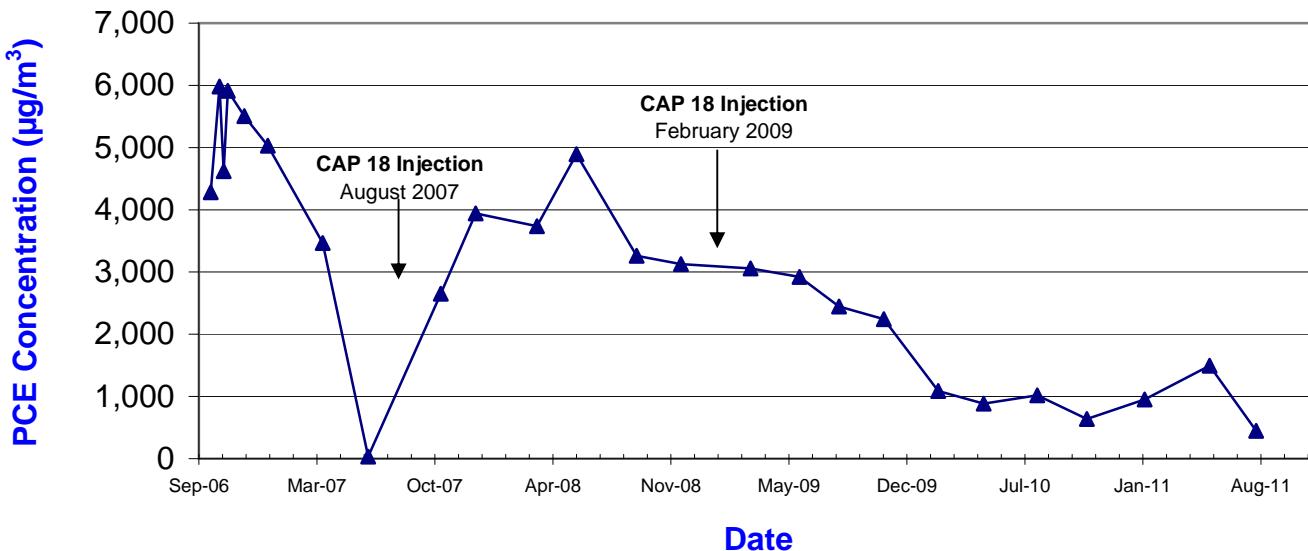


SCALE
feet
0 200

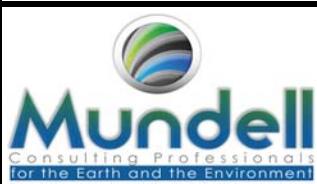
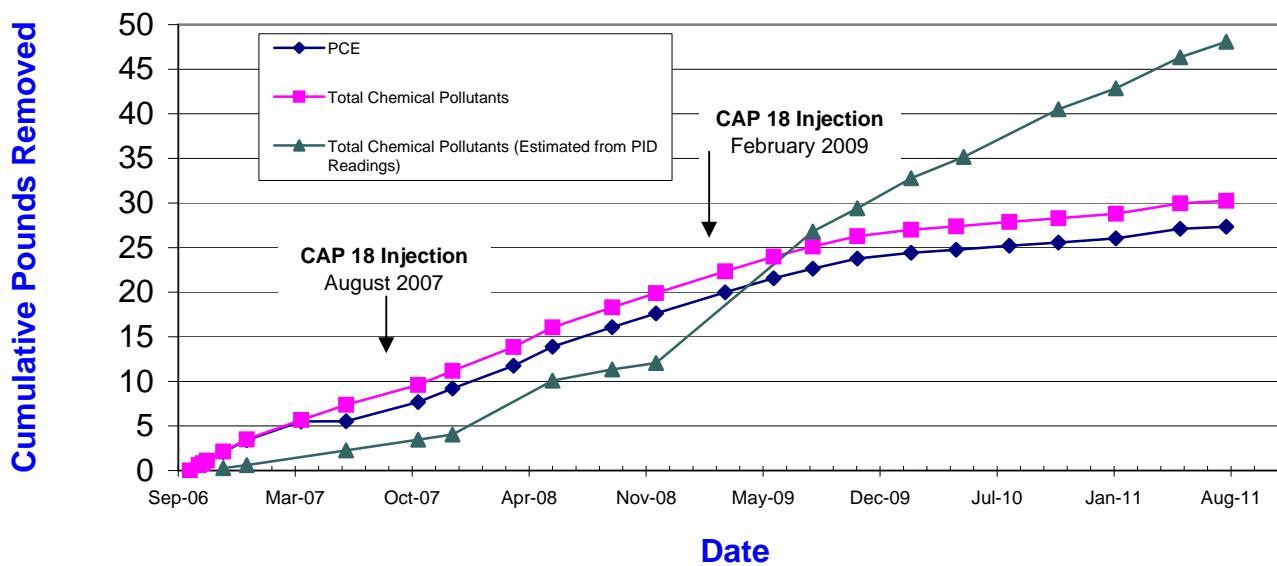
Keramida Monitoring Well Locations Referenced
from Keramida Environmental, Inc.
Project No. 2829
March 13, 2002



**PCE Vapor Concentrations Trend -
Village Pantry Vapor Mitigation System (B1)**



**Chemical Pounds Removed -
Village Pantry Vapor Mitigation System (B1)**



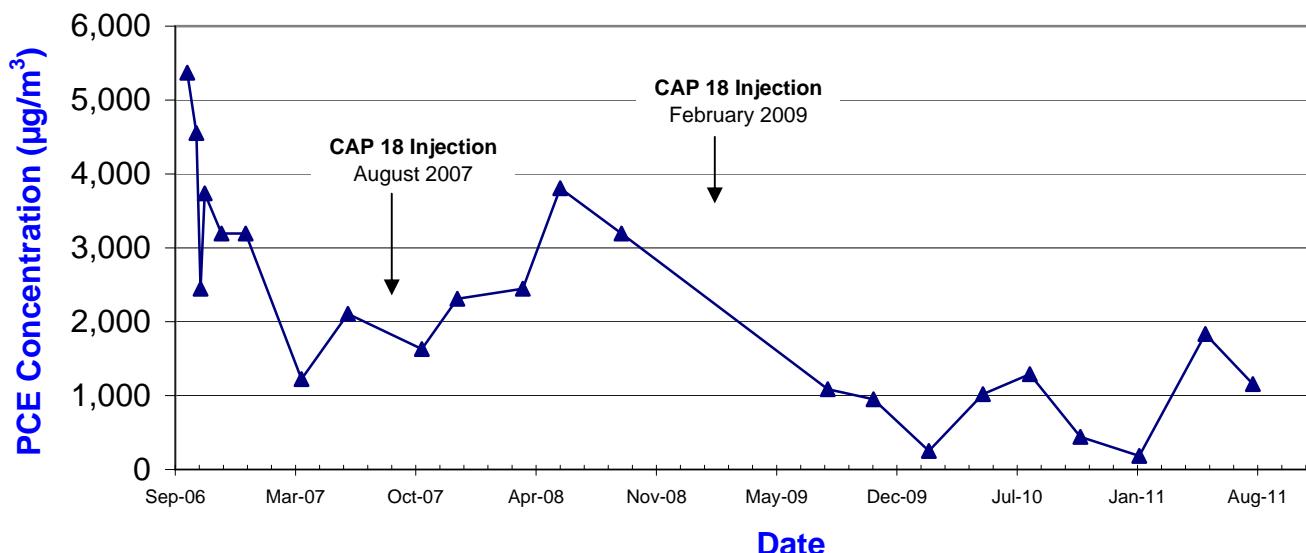
Mundell & Associates, Inc.
110 South Downey Avenue
Indianapolis, Indiana 46219
www.MundellAssociates.com

Project Number:
M01046
File:
MI Meadows charts
Date Prepared:
10/1/2011
Scale:
no scale

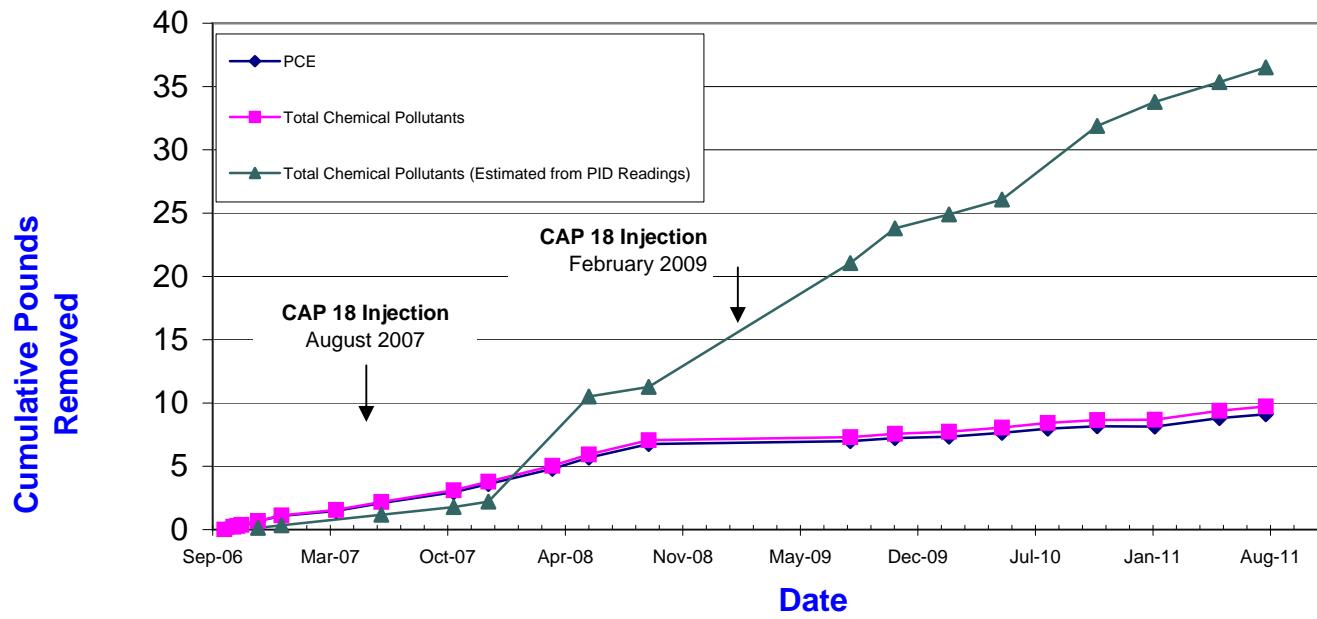
PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation System B-1 (Village Pantry)
Third Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE
7

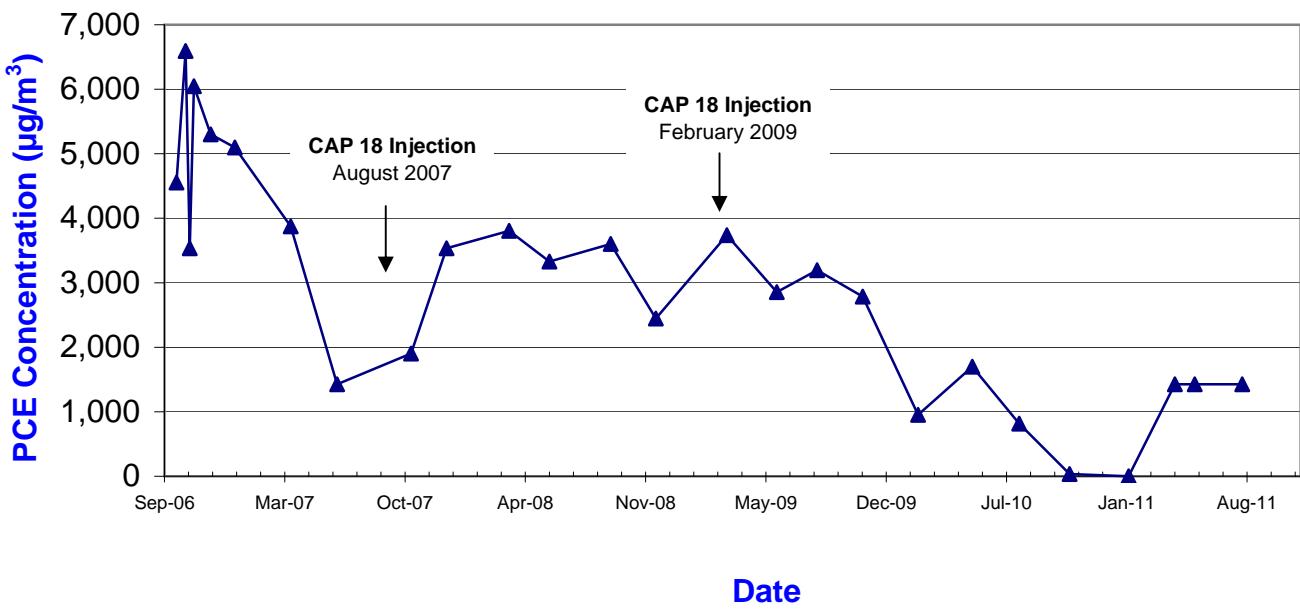
**PCE Vapor Concentrations Trend -
Handicap Space Vapor Mitigation System (B2)**



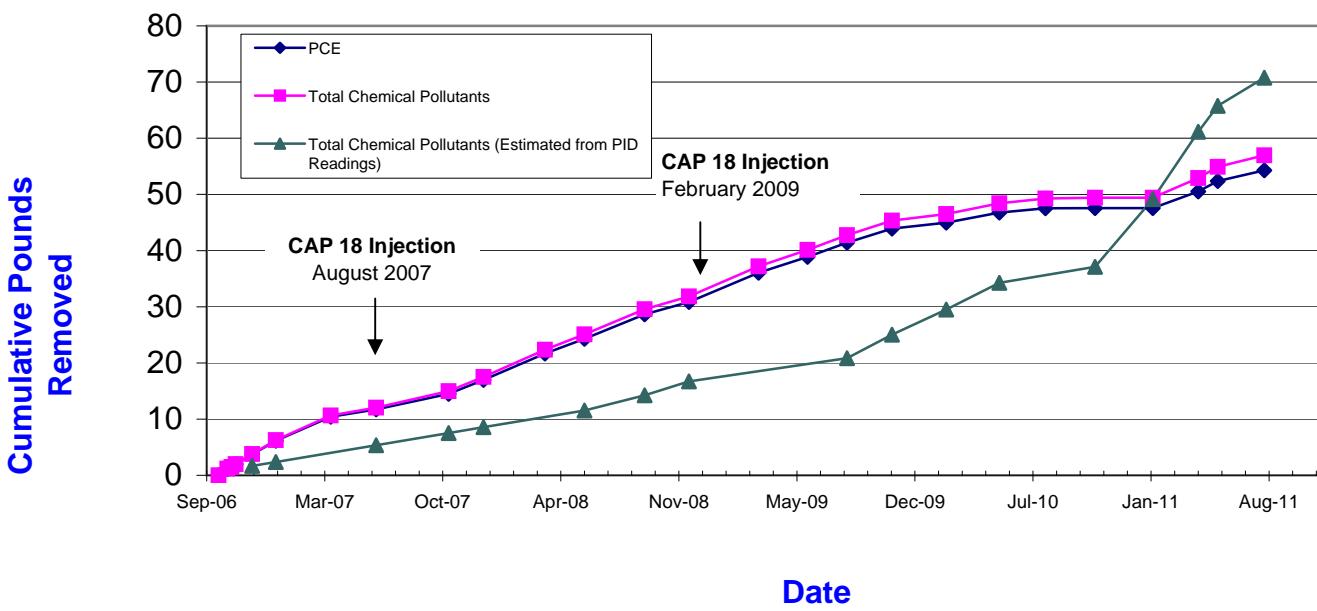
**Chemical Pounds Removed -
Handicap Space Vapor Mitigation System (B2)**



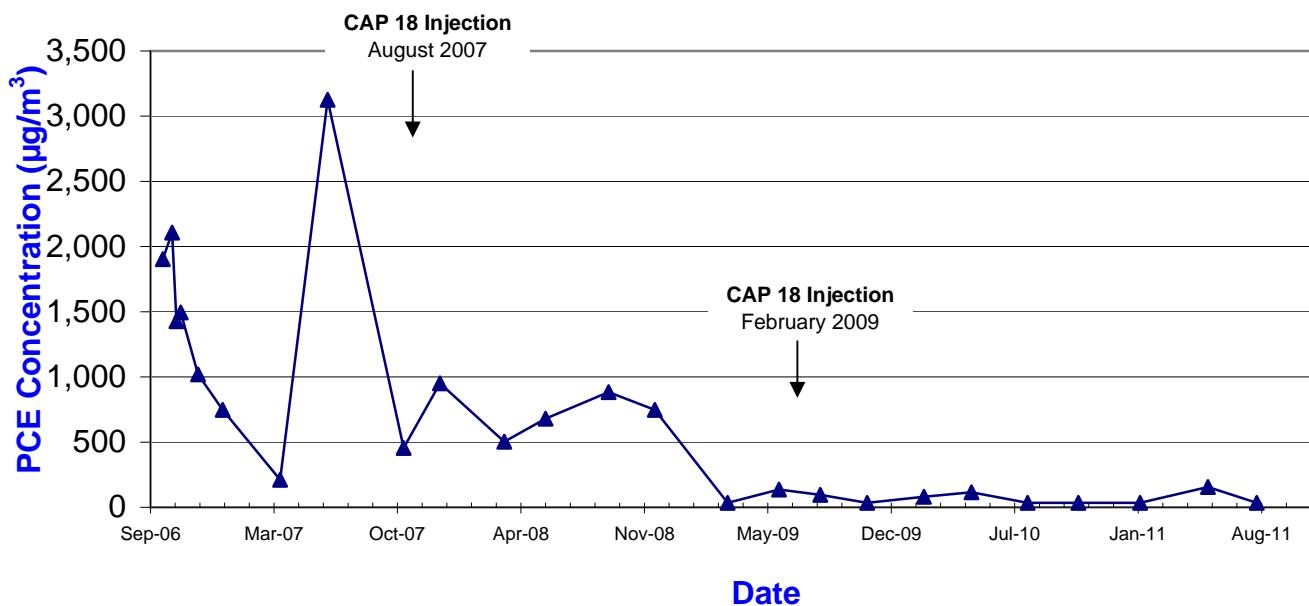
**PCE Vapor Concentrations Trend -
Mexican Store Vapor Mitigation System (B3)**



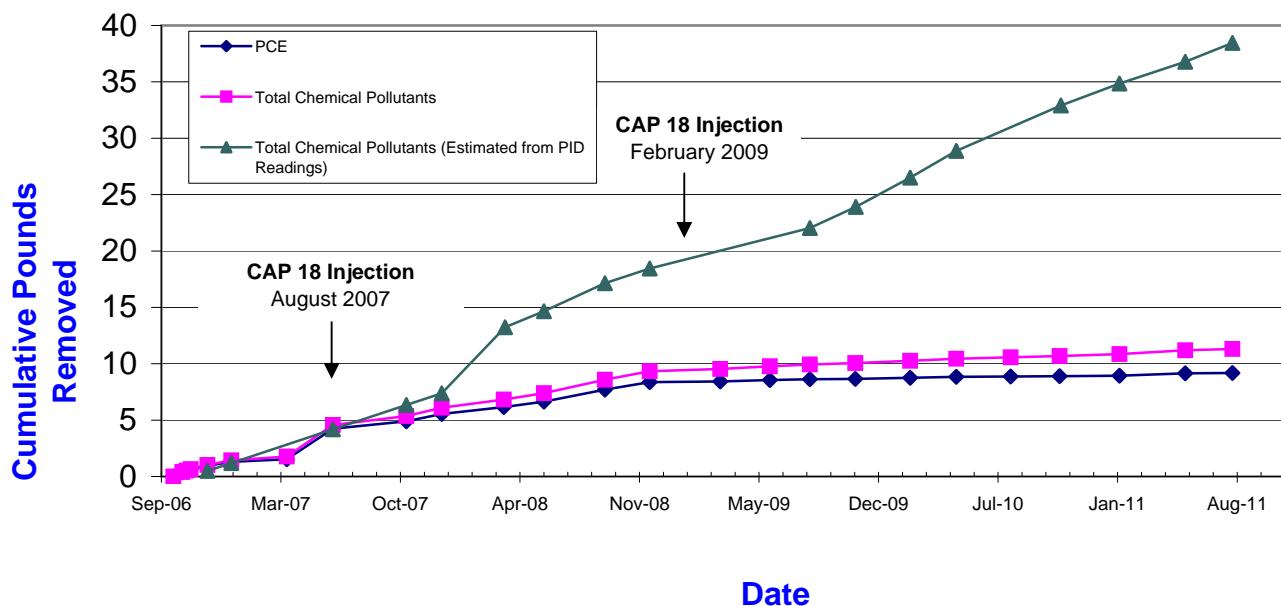
**Chemical Pounds Removed -
Mexican Store Vapor Mitigation System (B3)**



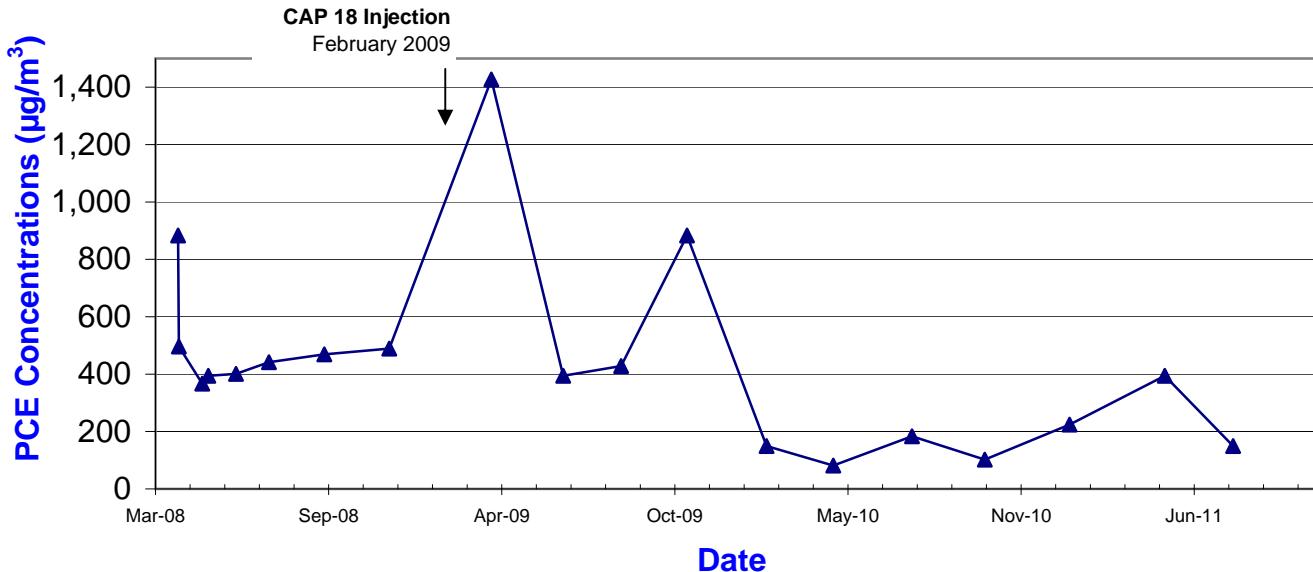
**PCE Vapor Concentrations Trend -
Laundromat Vapor Mitigation System (B4)**



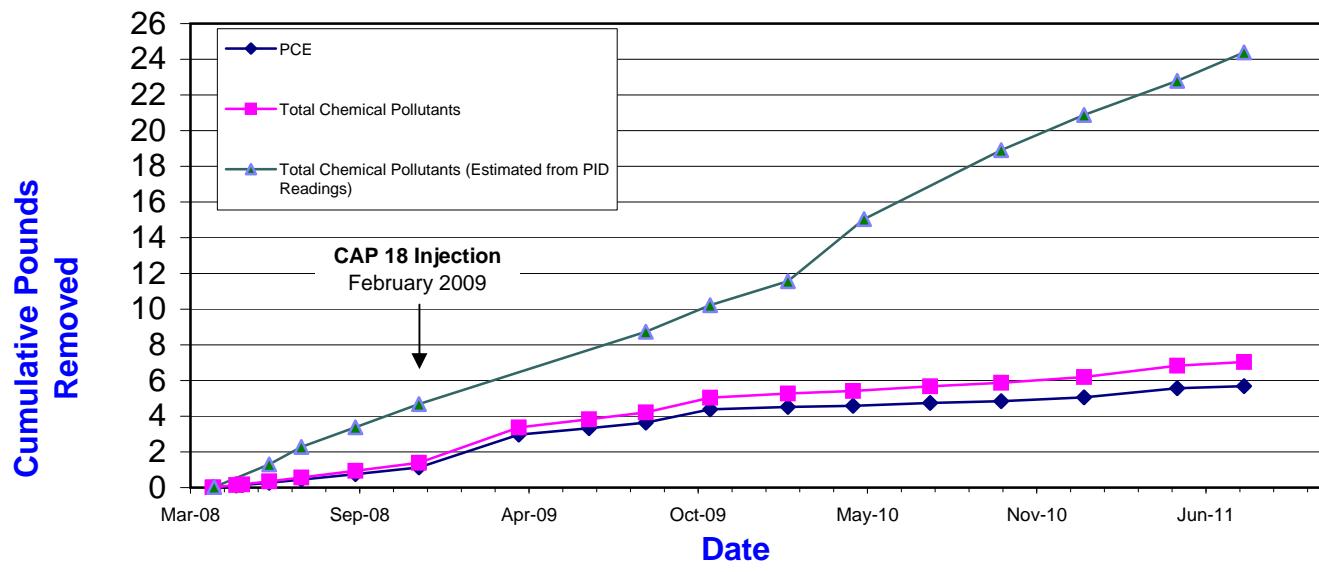
**Chemical Pounds Removed -
Laundromat Vapor Mitigation System (B4)**



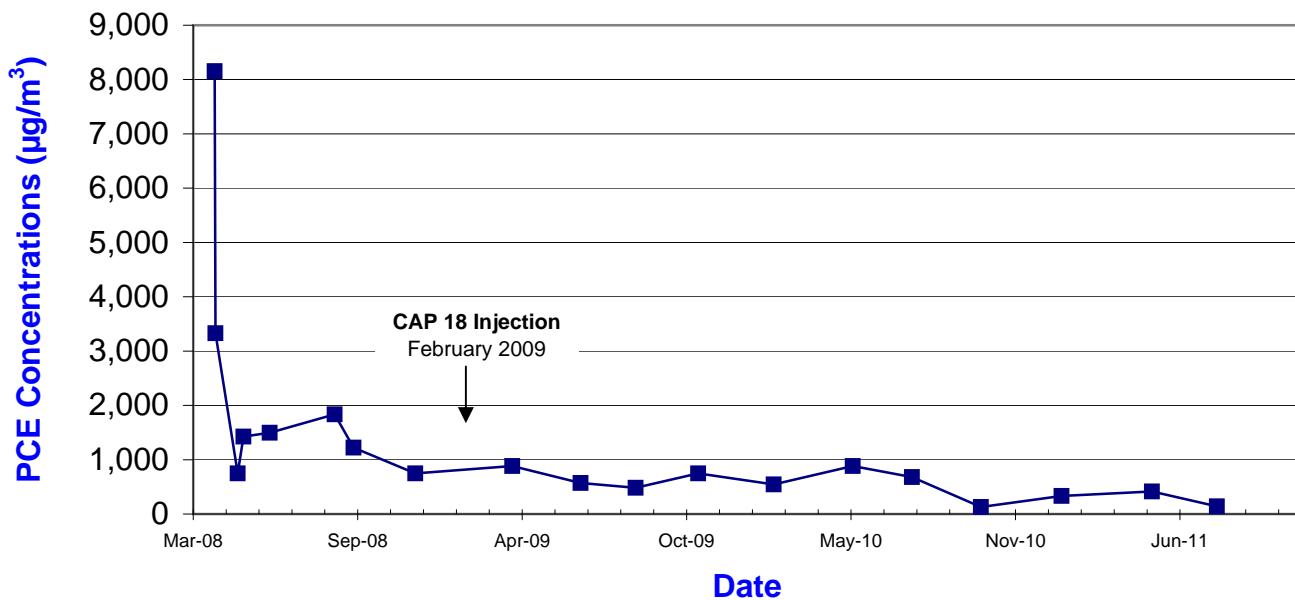
**PCE Vapor Concentrations Trend -
Apartment Building 1 Vapor Mitigation System (B5)**



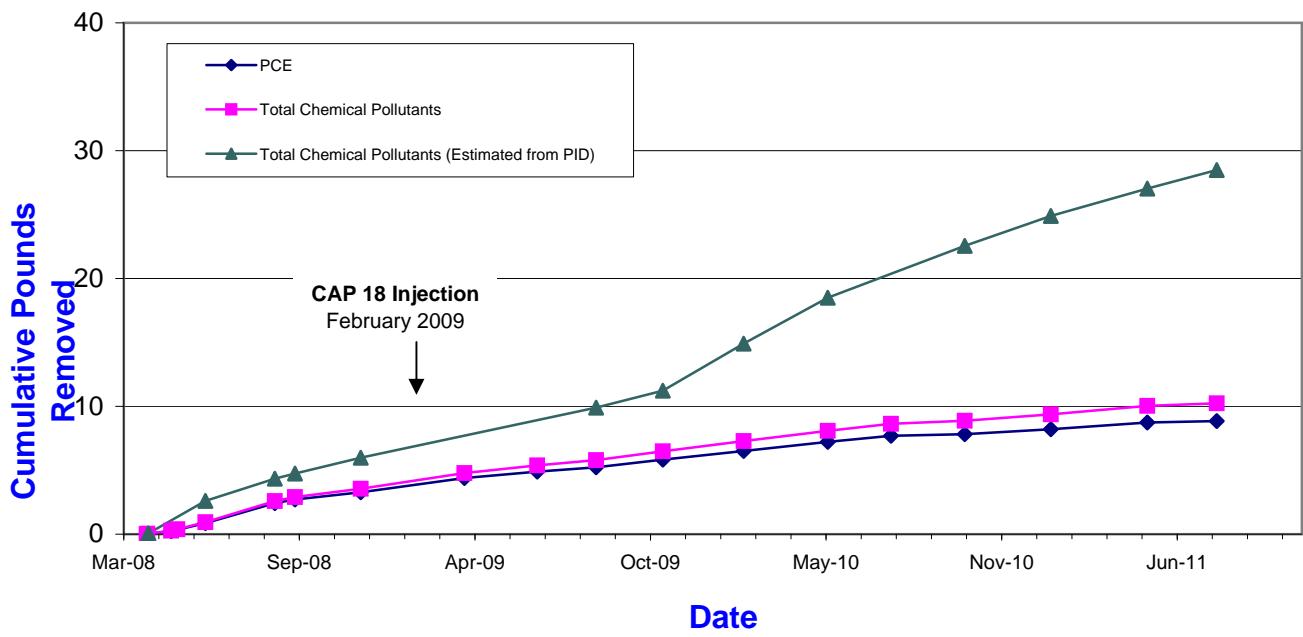
**Chemical Pounds Removed -
Apartment Building 1 Vapor Mitigation System (B5)**



**PCE Vapor Concentrations Trend -
Apartment Building 6 Vapor Mitigation System (B6)**



**Chemical Pounds Removed -
Apartment Building 6 Vapor Mitigation System (B6)**



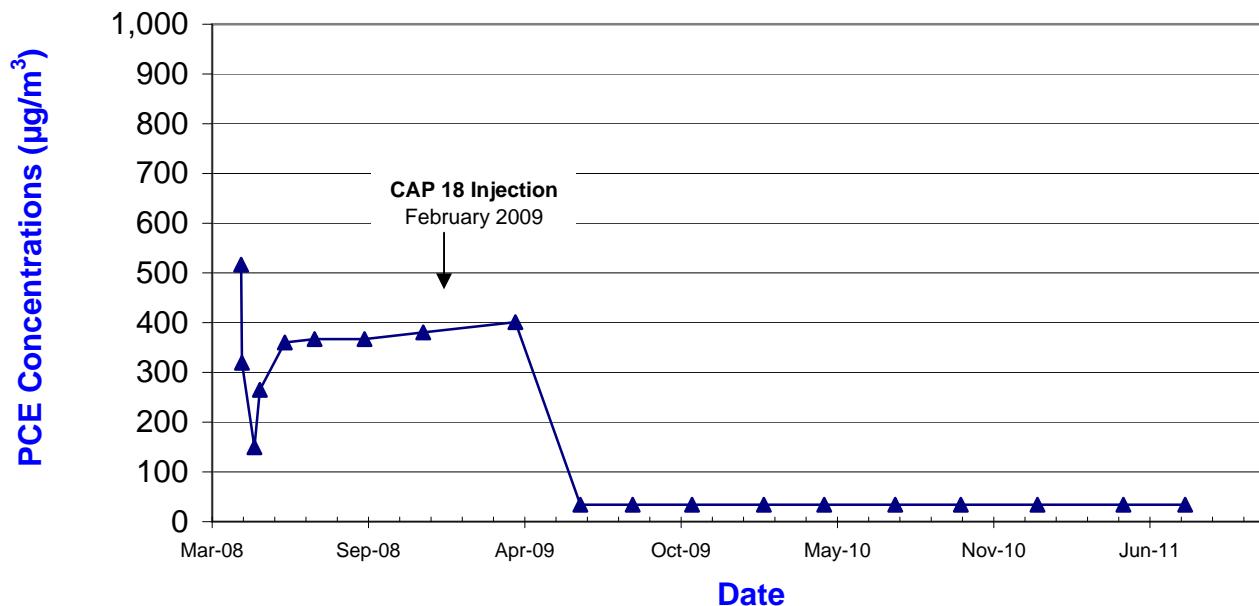
Mundell & Associates, Inc.
110 South Downey Avenue
Indianapolis, Indiana 46219
www.MundellAssociates.com

Project Number:
M01046
File:
MI Meadows charts
Date Prepared:
10/1/2011
Scale:
no scale

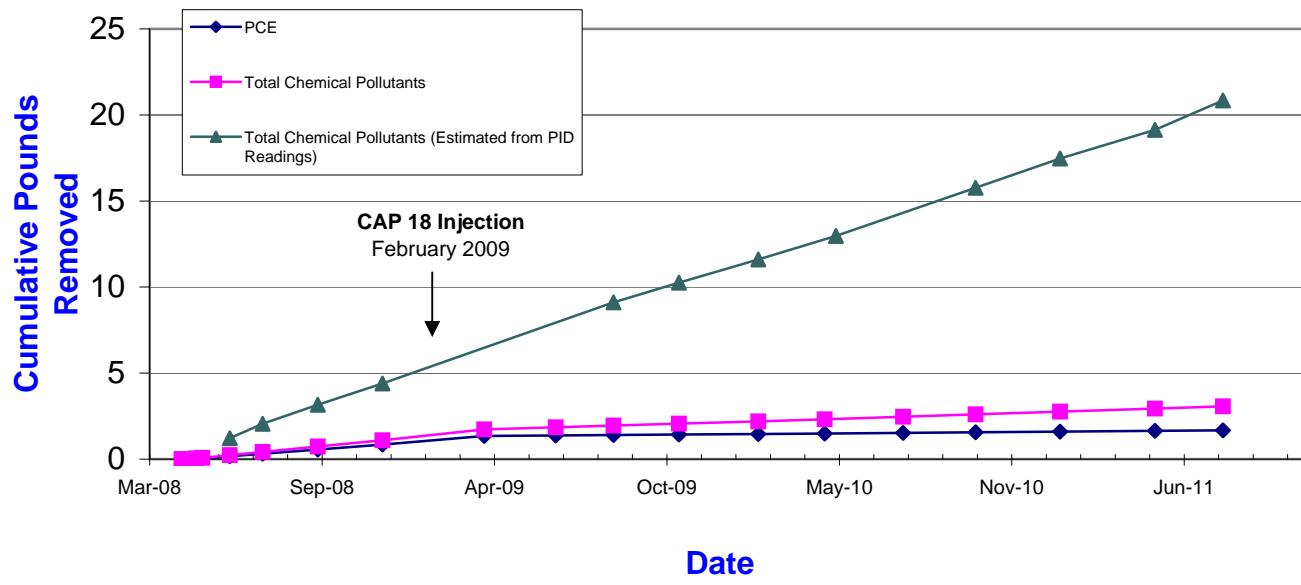
PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation System B-6 (Apartments, Bldg. 6)
Third Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE
12

**PCE Vapor Concentrations Trend -
Apartment Building 10 Vapor Mitigation System (B7)**



**Chemical Pounds Removed -
Apartment Building 10 Vapor Mitigation System (B7)**



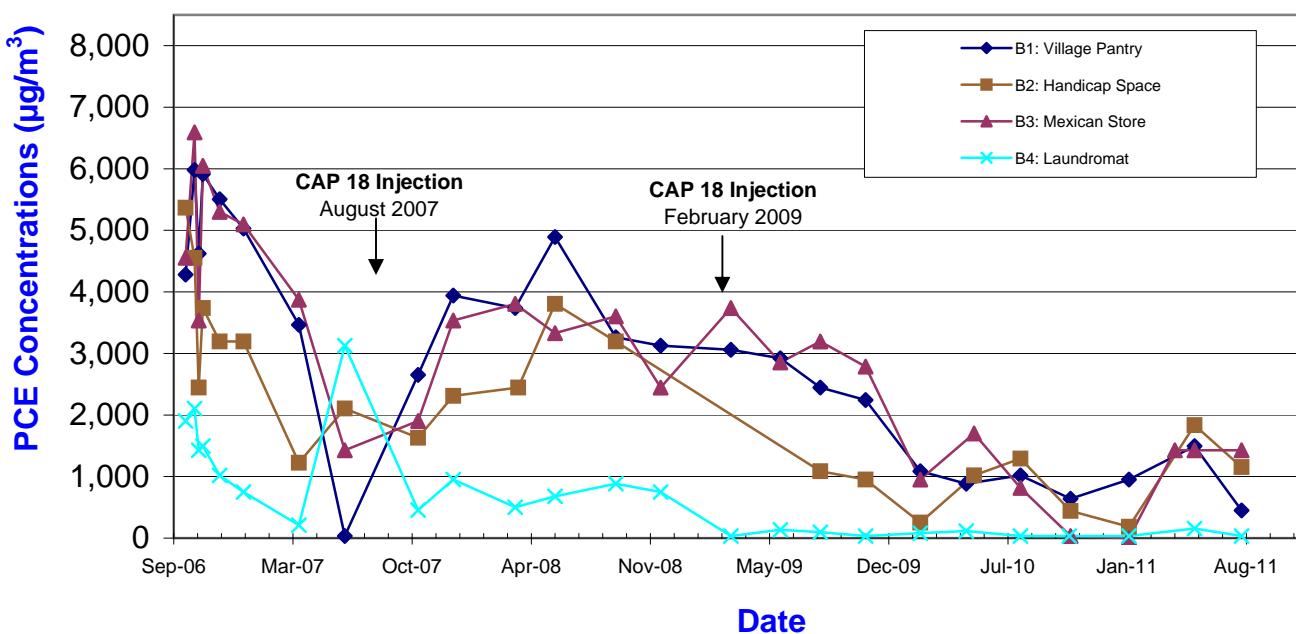
Mundell & Associates, Inc.
110 South Downey Avenue
Indianapolis, Indiana 46219
www.MundellAssociates.com

Project Number:
M01046
File:
MI Meadows charts
Date Prepared:
10/1/2011
Scale:
no scale

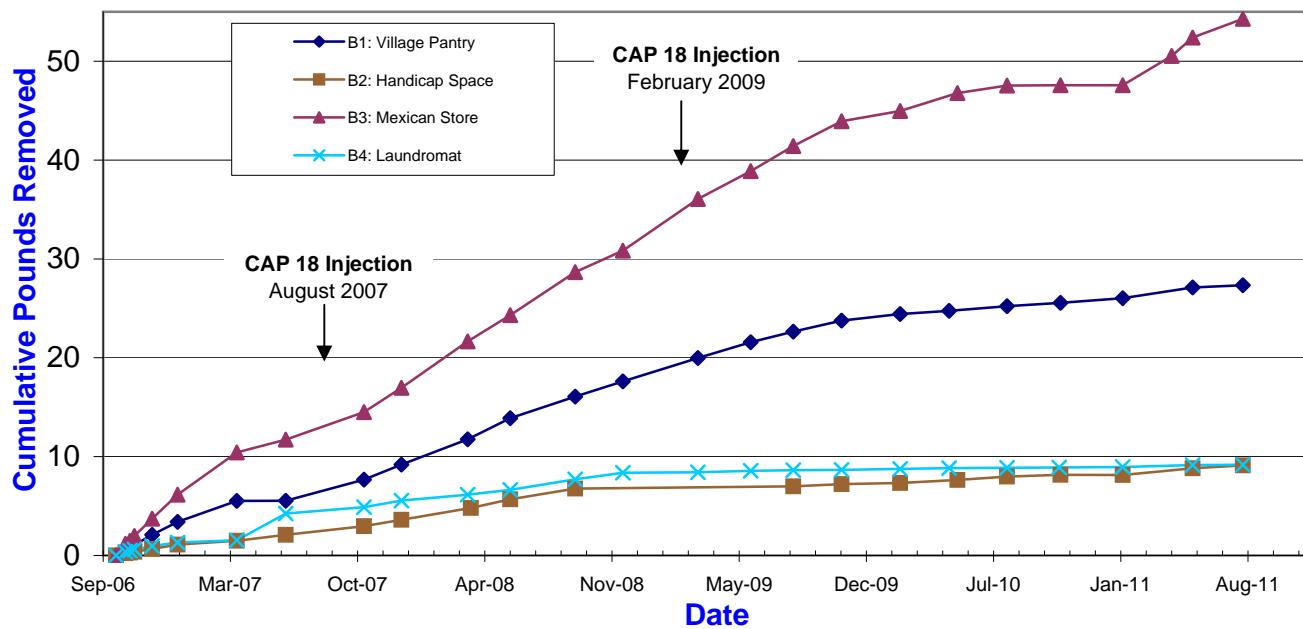
PCE Concentration Trends
and Cumulative Pounds Removed
Vapor Mitigation System B-7 (Apartments, Bldg. 10)
Third Quarter 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, IN

FIGURE
13

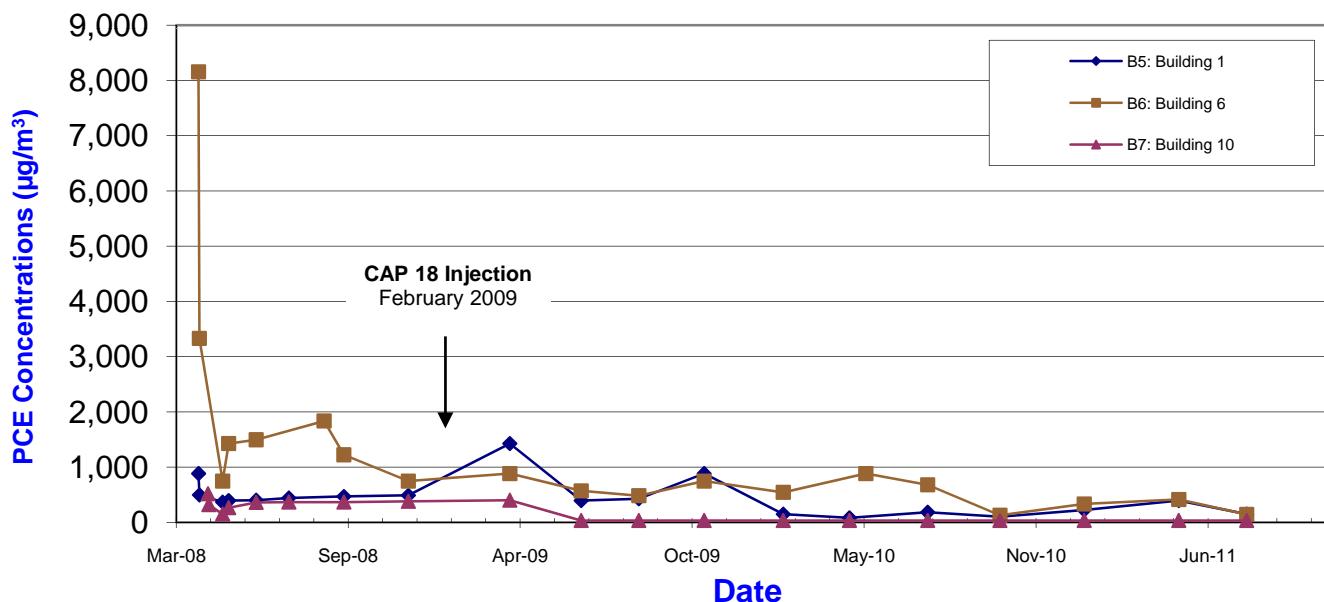
**PCE Concentrations Trend -
Plaza Vapor Mitigation Systems (B1-B4)**



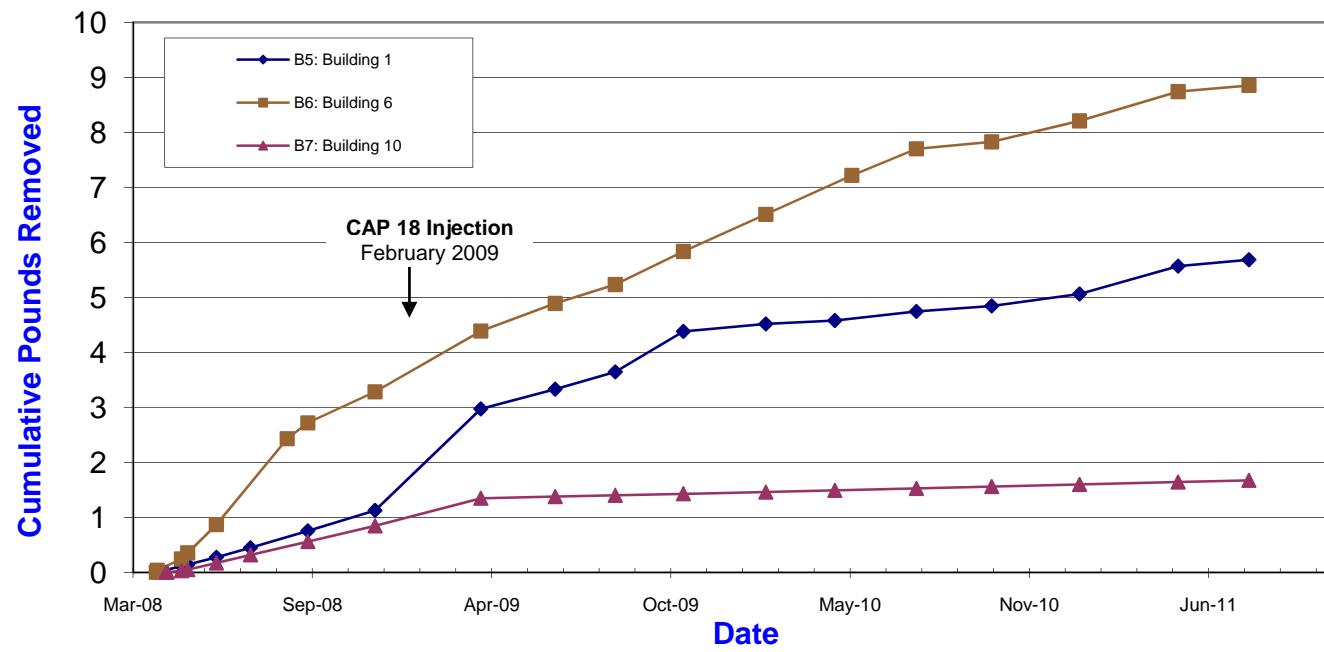
**PCE Pounds Removed -
Plaza Vapor Mitigation Systems (B1-B4)**



**PCE Concentrations Trend -
Apartment Vapor Mitigation Systems (B5-B7)**



**PCE Pounds Removed -
Apartment Vapor Mitigation Systems (B5-B7)**



APPENDIX A

Lab Analytical Results

July 30, 2011

Ms. Sarah Webb
Mundell & Associates
110 South Downey Ave.
Indianapolis, IN 46219

RE: Project: MI Plaza M01046
Pace Project No.: 5051052

Dear Ms. Webb:

Enclosed are the analytical results for sample(s) received by the laboratory on July 27, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tina Sayer

tina.sayer@pacelabs.com
Project Manager

Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
Pennsylvania: 68-00791
West Virginia Certification #: 330

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: MI Plaza M01046

Pace Project No.: 5051052

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5051052001	MMW-12S	Water	07/26/11 09:24	07/27/11 11:08
5051052002	MMW-14D	Water	07/26/11 09:59	07/27/11 11:08
5051052003	MMW-13D	Water	07/26/11 11:02	07/27/11 11:08
5051052004	MMW-11S	Water	07/26/11 12:15	07/27/11 11:08
5051052005	MMW-11D	Water	07/26/11 12:36	07/27/11 11:08
5051052006	MMW-P-09S	Water	07/26/11 13:23	07/27/11 11:08
5051052007	MMW-P-09D	Water	07/26/11 13:46	07/27/11 11:08
5051052008	Trip Blank	Water	07/26/11 08:00	07/27/11 11:08

REPORT OF LABORATORY ANALYSIS

Page 2 of 17

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: MI Plaza M01046
Pace Project No.: 5051052

Lab ID	Sample ID	Method	Analysts	Analytes Reported
5051052001	MMW-12S	EPA 8260	GRM	20
5051052002	MMW-14D	EPA 8260	GRM	20
5051052003	MMW-13D	EPA 8260	GRM	20
5051052004	MMW-11S	EPA 8260	GRM	20
5051052005	MMW-11D	EPA 8260	GRM	20
5051052006	MMW-P-09S	EPA 8260	GRM	20
5051052007	MMW-P-09D	EPA 8260	GRM	20
5051052008	Trip Blank	EPA 8260	GRM	20

REPORT OF LABORATORY ANALYSIS

Page 3 of 17

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: MI Plaza M01046

Pace Project No.: 5051052

Sample: MMW-12S	Lab ID: 5051052001	Collected: 07/26/11 09:24	Received: 07/27/11 11:08	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/27/11 19:00	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/27/11 19:00	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/27/11 19:00	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/27/11 19:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/27/11 19:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/27/11 19:00	75-35-4	
cis-1,2-Dichloroethene	24.3	ug/L	5.0	1		07/27/11 19:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/27/11 19:00	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/27/11 19:00	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/27/11 19:00	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/27/11 19:00	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/27/11 19:00	127-18-4	
Toluene	ND	ug/L	5.0	1		07/27/11 19:00	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/27/11 19:00	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/27/11 19:00	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		07/27/11 19:00	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/27/11 19:00	1330-20-7	
Dibromofluoromethane (S)	102 %		83-123	1		07/27/11 19:00	1868-53-7	
4-Bromofluorobenzene (S)	98 %		72-125	1		07/27/11 19:00	460-00-4	
Toluene-d8 (S)	103 %		81-114	1		07/27/11 19:00	2037-26-5	

ANALYTICAL RESULTS

Project: MI Plaza M01046

Pace Project No.: 5051052

Sample: MMW-14D	Lab ID: 5051052002	Collected: 07/26/11 09:59	Received: 07/27/11 11:08	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/27/11 19:34	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/27/11 19:34	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/27/11 19:34	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/27/11 19:34	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/27/11 19:34	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/27/11 19:34	75-35-4	
cis-1,2-Dichloroethene	875	ug/L	50.0	10		07/27/11 20:07	156-59-2	
trans-1,2-Dichloroethene	15.3	ug/L	5.0	1		07/27/11 19:34	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/27/11 19:34	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/27/11 19:34	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/27/11 19:34	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/27/11 19:34	127-18-4	
Toluene	ND	ug/L	5.0	1		07/27/11 19:34	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/27/11 19:34	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/27/11 19:34	79-01-6	
Vinyl chloride	81.0	ug/L	2.0	1		07/27/11 19:34	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/27/11 19:34	1330-20-7	
Dibromofluoromethane (S)	102 %		83-123	1		07/27/11 19:34	1868-53-7	
4-Bromofluorobenzene (S)	93 %		72-125	1		07/27/11 19:34	460-00-4	
Toluene-d8 (S)	99 %		81-114	1		07/27/11 19:34	2037-26-5	

ANALYTICAL RESULTS

Project: MI Plaza M01046

Pace Project No.: 5051052

Sample: MMW-13D	Lab ID: 5051052003	Collected: 07/26/11 11:02	Received: 07/27/11 11:08	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/27/11 20:41	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/27/11 20:41	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/27/11 20:41	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/27/11 20:41	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/27/11 20:41	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/27/11 20:41	75-35-4	
cis-1,2-Dichloroethene	328	ug/L	50.0	10		07/27/11 21:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/27/11 20:41	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/27/11 20:41	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/27/11 20:41	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/27/11 20:41	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/27/11 20:41	127-18-4	
Toluene	ND	ug/L	5.0	1		07/27/11 20:41	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/27/11 20:41	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/27/11 20:41	79-01-6	
Vinyl chloride	11.9	ug/L	2.0	1		07/27/11 20:41	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/27/11 20:41	1330-20-7	
Dibromofluoromethane (S)	103 %		83-123	1		07/27/11 20:41	1868-53-7	
4-Bromofluorobenzene (S)	95 %		72-125	1		07/27/11 20:41	460-00-4	
Toluene-d8 (S)	100 %		81-114	1		07/27/11 20:41	2037-26-5	

ANALYTICAL RESULTS

Project: MI Plaza M01046

Pace Project No.: 5051052

Sample: MMW-11S	Lab ID: 5051052004	Collected: 07/26/11 12:15	Received: 07/27/11 11:08	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/27/11 21:48	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/27/11 21:48	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/27/11 21:48	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/27/11 21:48	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/27/11 21:48	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/27/11 21:48	75-35-4	
cis-1,2-Dichloroethene	15.1	ug/L	5.0	1		07/27/11 21:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/27/11 21:48	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/27/11 21:48	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/27/11 21:48	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/27/11 21:48	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/27/11 21:48	127-18-4	
Toluene	ND	ug/L	5.0	1		07/27/11 21:48	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/27/11 21:48	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/27/11 21:48	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		07/27/11 21:48	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/27/11 21:48	1330-20-7	
Dibromofluoromethane (S)	98 %		83-123	1		07/27/11 21:48	1868-53-7	
4-Bromofluorobenzene (S)	99 %		72-125	1		07/27/11 21:48	460-00-4	
Toluene-d8 (S)	101 %		81-114	1		07/27/11 21:48	2037-26-5	

ANALYTICAL RESULTS

Project: MI Plaza M01046

Pace Project No.: 5051052

Sample: MMW-11D	Lab ID: 5051052005	Collected: 07/26/11 12:36	Received: 07/27/11 11:08	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/28/11 04:49	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/28/11 04:49	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/28/11 04:49	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/28/11 04:49	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/28/11 04:49	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/28/11 04:49	75-35-4	
cis-1,2-Dichloroethene	304	ug/L	50.0	10		07/28/11 05:22	156-59-2	
trans-1,2-Dichloroethene	18.3	ug/L	5.0	1		07/28/11 04:49	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/28/11 04:49	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/28/11 04:49	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/28/11 04:49	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/28/11 04:49	127-18-4	
Toluene	ND	ug/L	5.0	1		07/28/11 04:49	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/28/11 04:49	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/28/11 04:49	79-01-6	
Vinyl chloride	3.6	ug/L	2.0	1		07/28/11 04:49	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/28/11 04:49	1330-20-7	
Dibromofluoromethane (S)	100 %		83-123	1		07/28/11 04:49	1868-53-7	
4-Bromofluorobenzene (S)	94 %		72-125	1		07/28/11 04:49	460-00-4	
Toluene-d8 (S)	95 %		81-114	1		07/28/11 04:49	2037-26-5	

ANALYTICAL RESULTS

Project: MI Plaza M01046

Pace Project No.: 5051052

Sample: MMW-P-09S	Lab ID: 5051052006	Collected: 07/26/11 13:23	Received: 07/27/11 11:08	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/28/11 05:56	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/28/11 05:56	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/28/11 05:56	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/28/11 05:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/28/11 05:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/28/11 05:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/28/11 05:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/28/11 05:56	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/28/11 05:56	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/28/11 05:56	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/28/11 05:56	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/28/11 05:56	127-18-4	
Toluene	ND	ug/L	5.0	1		07/28/11 05:56	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/28/11 05:56	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/28/11 05:56	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		07/28/11 05:56	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/28/11 05:56	1330-20-7	
Dibromofluoromethane (S)	96 %		83-123	1		07/28/11 05:56	1868-53-7	
4-Bromofluorobenzene (S)	95 %		72-125	1		07/28/11 05:56	460-00-4	
Toluene-d8 (S)	94 %		81-114	1		07/28/11 05:56	2037-26-5	

ANALYTICAL RESULTS

Project: MI Plaza M01046

Pace Project No.: 5051052

Sample: MMW-P-09D	Lab ID: 5051052007	Collected: 07/26/11 13:46	Received: 07/27/11 11:08	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/28/11 06:29	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/28/11 06:29	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/28/11 06:29	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/28/11 06:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/28/11 06:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/28/11 06:29	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/28/11 06:29	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/28/11 06:29	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/28/11 06:29	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/28/11 06:29	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/28/11 06:29	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/28/11 06:29	127-18-4	
Toluene	ND	ug/L	5.0	1		07/28/11 06:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/28/11 06:29	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/28/11 06:29	79-01-6	
Vinyl chloride	83.3	ug/L	2.0	1		07/28/11 06:29	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/28/11 06:29	1330-20-7	
Dibromofluoromethane (S)	100 %		83-123	1		07/28/11 06:29	1868-53-7	
4-Bromofluorobenzene (S)	92 %		72-125	1		07/28/11 06:29	460-00-4	
Toluene-d8 (S)	97 %		81-114	1		07/28/11 06:29	2037-26-5	

ANALYTICAL RESULTS

Project: MI Plaza M01046

Pace Project No.: 5051052

Sample: Trip Blank	Lab ID: 5051052008	Collected: 07/26/11 08:00	Received: 07/27/11 11:08	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/28/11 07:03	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/28/11 07:03	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/28/11 07:03	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/28/11 07:03	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/28/11 07:03	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/28/11 07:03	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/28/11 07:03	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/28/11 07:03	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/28/11 07:03	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/28/11 07:03	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/28/11 07:03	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/28/11 07:03	127-18-4	
Toluene	ND	ug/L	5.0	1		07/28/11 07:03	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/28/11 07:03	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/28/11 07:03	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		07/28/11 07:03	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/28/11 07:03	1330-20-7	
Dibromofluoromethane (S)	99 %		83-123	1		07/28/11 07:03	1868-53-7	
4-Bromofluorobenzene (S)	92 %		72-125	1		07/28/11 07:03	460-00-4	
Toluene-d8 (S)	97 %		81-114	1		07/28/11 07:03	2037-26-5	

QUALITY CONTROL DATA

Project: MI Plaza M01046

Pace Project No.: 5051052

QC Batch: MSV/34536 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Associated Lab Samples: 5051052001, 5051052002, 5051052003, 5051052004

METHOD BLANK: 603262 Matrix: Water

Associated Lab Samples:		5051052001, 5051052002, 5051052003, 5051052004			
Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	07/27/11 13:58	
1,1-Dichloroethane	ug/L	ND	5.0	07/27/11 13:58	
1,1-Dichloroethene	ug/L	ND	5.0	07/27/11 13:58	
1,2-Dichloroethane	ug/L	ND	5.0	07/27/11 13:58	
Benzene	ug/L	ND	5.0	07/27/11 13:58	
Carbon tetrachloride	ug/L	ND	5.0	07/27/11 13:58	
Chloroform	ug/L	ND	5.0	07/27/11 13:58	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/27/11 13:58	
Ethylbenzene	ug/L	ND	5.0	07/27/11 13:58	
Methylene chloride	ug/L	ND	5.0	07/27/11 13:58	
Naphthalene	ug/L	ND	5.0	07/27/11 13:58	
Tetrachloroethene	ug/L	ND	5.0	07/27/11 13:58	
Toluene	ug/L	ND	5.0	07/27/11 13:58	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/27/11 13:58	
Trichloroethene	ug/L	ND	5.0	07/27/11 13:58	
Vinyl chloride	ug/L	ND	2.0	07/27/11 13:58	
Xylene (Total)	ug/L	ND	10.0	07/27/11 13:58	
4-Bromofluorobenzene (S)	%	95	72-125	07/27/11 13:58	
Dibromofluoromethane (S)	%	102	83-123	07/27/11 13:58	
Toluene-d8 (S)	%	101	81-114	07/27/11 13:58	

LABORATORY CONTROL SAMPLE: 603263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	48.2	96	69-126	
1,1-Dichloroethane	ug/L	50	49.1	98	70-127	
1,1-Dichloroethene	ug/L	50	50.4	101	75-145	
1,2-Dichloroethane	ug/L	50	47.4	95	71-127	
Benzene	ug/L	50	46.8	94	76-123	
Carbon tetrachloride	ug/L	50	47.6	95	65-125	
Chloroform	ug/L	50	47.7	95	73-122	
cis-1,2-Dichloroethene	ug/L	50	48.7	97	79-129	
Ethylbenzene	ug/L	50	47.7	95	75-120	
Methylene chloride	ug/L	50	48.8	98	61-138	
Naphthalene	ug/L	50	46.4	93	62-130	
Tetrachloroethene	ug/L	50	46.1	92	57-125	
Toluene	ug/L	50	53.2	106	72-124	
trans-1,2-Dichloroethene	ug/L	50	46.9	94	71-145	
Trichloroethene	ug/L	50	47.3	95	77-122	
Vinyl chloride	ug/L	50	54.8	110	61-146	
Xylene (Total)	ug/L	150	148	99	72-126	

Date: 07/30/2011 01:04 PM

REPORT OF LABORATORY ANALYSIS

Page 12 of 17

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: MI Plaza M01046

Pace Project No.: 5051052

LABORATORY CONTROL SAMPLE: 603263

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			96	72-125	
Dibromofluoromethane (S)	%			103	83-123	
Toluene-d8 (S)	%			99	81-114	

MATRIX SPIKE SAMPLE: 603264

Parameter	Units	5051052001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L		ND	50	34.9	70	37-136
1,1-Dichloroethane	ug/L		ND	50	33.4	67	47-138
1,1-Dichloroethene	ug/L		ND	50	36.8	74	54-152
1,2-Dichloroethane	ug/L		ND	50	31.5	63	42-139
Benzene	ug/L		ND	50	32.8	66	52-134
Carbon tetrachloride	ug/L		ND	50	34.0	68	26-136
Chloroform	ug/L		ND	50	32.3	65	50-134
cis-1,2-Dichloroethene	ug/L	24.3	50	57.3	66	48-145	
Ethylbenzene	ug/L		ND	50	34.9	70	29-132
Methylene chloride	ug/L		ND	50	33.2	66	47-141
Naphthalene	ug/L		ND	50	28.3	57	40-124
Tetrachloroethene	ug/L		ND	50	34.2	68	30-124
Toluene	ug/L		ND	50	36.7	73	42-130
trans-1,2-Dichloroethene	ug/L		ND	50	40.1	80	48-144
Trichloroethene	ug/L		ND	50	33.7	67	44-130
Vinyl chloride	ug/L		ND	50	45.2	90	45-159
Xylene (Total)	ug/L		ND	150	108	72	29-131
4-Bromofluorobenzene (S)	%					98	72-125
Dibromofluoromethane (S)	%					101	83-123
Toluene-d8 (S)	%					100	81-114

QUALITY CONTROL DATA

Project: MI Plaza M01046

Pace Project No.: 5051052

QC Batch: MSV/34540 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Associated Lab Samples: 5051052005, 5051052006, 5051052007, 5051052008

METHOD BLANK: 603273 Matrix: Water

Associated Lab Samples: 5051052005, 5051052006, 5051052007, 5051052008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	07/28/11 00:21	
1,1-Dichloroethane	ug/L	ND	5.0	07/28/11 00:21	
1,1-Dichloroethene	ug/L	ND	5.0	07/28/11 00:21	
1,2-Dichloroethane	ug/L	ND	5.0	07/28/11 00:21	
Benzene	ug/L	ND	5.0	07/28/11 00:21	
Carbon tetrachloride	ug/L	ND	5.0	07/28/11 00:21	
Chloroform	ug/L	ND	5.0	07/28/11 00:21	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/28/11 00:21	
Ethylbenzene	ug/L	ND	5.0	07/28/11 00:21	
Methylene chloride	ug/L	ND	5.0	07/28/11 00:21	
Naphthalene	ug/L	ND	5.0	07/28/11 00:21	
Tetrachloroethene	ug/L	ND	5.0	07/28/11 00:21	
Toluene	ug/L	ND	5.0	07/28/11 00:21	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/28/11 00:21	
Trichloroethene	ug/L	ND	5.0	07/28/11 00:21	
Vinyl chloride	ug/L	ND	2.0	07/28/11 00:21	
Xylene (Total)	ug/L	ND	10.0	07/28/11 00:21	
4-Bromofluorobenzene (S)	%	94	72-125	07/28/11 00:21	
Dibromofluoromethane (S)	%	99	83-123	07/28/11 00:21	
Toluene-d8 (S)	%	97	81-114	07/28/11 00:21	

LABORATORY CONTROL SAMPLE: 603274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	46.9	94	69-126	
1,1-Dichloroethane	ug/L	50	44.9	90	70-127	
1,1-Dichloroethene	ug/L	50	49.5	99	75-145	
1,2-Dichloroethane	ug/L	50	45.8	92	71-127	
Benzene	ug/L	50	49.4	99	76-123	
Carbon tetrachloride	ug/L	50	47.5	95	65-125	
Chloroform	ug/L	50	42.8	86	73-122	
cis-1,2-Dichloroethene	ug/L	50	46.2	92	79-129	
Ethylbenzene	ug/L	50	53.5	107	75-120	
Methylene chloride	ug/L	50	54.0	108	61-138	
Naphthalene	ug/L	50	43.8	88	62-130	
Tetrachloroethene	ug/L	50	41.7	83	57-125	
Toluene	ug/L	50	51.0	102	72-124	
trans-1,2-Dichloroethene	ug/L	50	53.0	106	71-145	
Trichloroethene	ug/L	50	48.7	97	77-122	
Vinyl chloride	ug/L	50	50.3	101	61-146	
Xylene (Total)	ug/L	150	162	108	72-126	

Date: 07/30/2011 01:04 PM

REPORT OF LABORATORY ANALYSIS

Page 14 of 17

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: MI Plaza M01046

Pace Project No.: 5051052

LABORATORY CONTROL SAMPLE: 603274

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			100	72-125	
Dibromofluoromethane (S)	%			95	83-123	
Toluene-d8 (S)	%			98	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 603275 603276

Parameter	Units	5051025005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	38.3	23.8	77	48	37-136	47	20	
1,1-Dichloroethane	ug/L	ND	50	50	36.2	22.6	72	45	47-138	46	20	
1,1-Dichloroethene	ug/L	ND	50	50	42.8	27.0	86	54	54-152	45	20	
1,2-Dichloroethane	ug/L	ND	50	50	34.2	22.3	68	45	42-139	42	20	
Benzene	ug/L	ND	50	50	39.4	24.6	79	49	52-134	46	20	
Carbon tetrachloride	ug/L	ND	50	50	37.7	21.0	75	42	26-136	57	20	
Chloroform	ug/L	ND	50	50	33.9	22.2	68	44	50-134	42	20	
cis-1,2-Dichloroethene	ug/L	ND	50	50	39.6	25.4	79	51	48-145	44	20	
Ethylbenzene	ug/L	ND	50	50	37.4	21.9	75	44	29-132	52	20	
Methylene chloride	ug/L	ND	50	50	44.4	26.7	89	53	47-141	50	20	
Naphthalene	ug/L	ND	50	50	17.1	16.1	34	32	40-124	6	20	M0
Tetrachloroethene	ug/L	ND	50	50	34.4	19.5	69	39	30-124	55	20	
Toluene	ug/L	ND	50	50	41.2	24.6	82	49	42-130	50	20	
trans-1,2-Dichloroethene	ug/L	ND	50	50	44.3	27.4	89	55	48-144	47	20	
Trichloroethene	ug/L	ND	50	50	38.5	23.6	77	47	44-130	48	20	
Vinyl chloride	ug/L	ND	50	50	47.4	31.7	95	63	45-159	40	20	
Xylene (Total)	ug/L	ND	150	150	116	68.2	77	45	29-131	52	20	
4-Bromofluorobenzene (S)	%						91	96	72-125		20	
Dibromofluoromethane (S)	%						95	96	83-123		20	1d,HS, p2
Toluene-d8 (S)	%						99	98	81-114		20	

QUALIFIERS

Project: MI Plaza M01046
Pace Project No.: 5051052

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

ANALYTE QUALIFIERS

- | | |
|----|---|
| 1d | Several compounds are outside of acceptance limits for percent recovery and/or RPD value. Refer to batch QC for system control. grm 7-28-11 |
| HS | Results are from sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter). |
| M0 | Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits. |
| p2 | Post-analysis pH measurement indicates pH > 2. |

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MI Plaza M01046
 Pace Project No.: 5051052

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5051052001	MMW-12S	EPA 8260	MSV/34536		
5051052002	MMW-14D	EPA 8260	MSV/34536		
5051052003	MMW-13D	EPA 8260	MSV/34536		
5051052004	MMW-11S	EPA 8260	MSV/34536		
5051052005	MMW-11D	EPA 8260	MSV/34540		
5051052006	MMW-P-09S	EPA 8260	MSV/34540		
5051052007	MMW-P-09D	EPA 8260	MSV/34540		
5051052008	Trip Blank	EPA 8260	MSV/34540		



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

www.pacealabs.com

Section A Required Client Information:		Section B Required Project Information:	
Company: Mindell & Associates	Report To: Sarah Welch	Address: 110 S. Drexery Ave	Copy To:
Email To: TADALIS-TNJ 46210	Purchase Order No.:	Phone: 512-430-9040	Fax: 512-430-9040
Requested Due Date/TAT:	Project Name: UTD 020	Project Number: MN010416	

Section C Invoice Information:		Section D Required Client Information		Sample Matrix Codes												Sample Type												Sample Collection												Preservatives												Analysis Test												Requested Analysis Filtered (Y/N)												Residual Chlorine (Y/N)												Regulatory Agency											
Page: 1 of 1	Page: 1441888	Company Name: Mindell	Attention: Meredith	Address:			Pace Quote Reference:			NPDES			GROUND WATER			DRINKING WATER			UST			RCRA			OTHER			Site Location			STATE:																																																																				
SAMPLE ID (A-Z, 0-9, -) Sample IDs MUST BE UNIQUE		#	ITEM #	Matrix Codes MATRIX / CODE			COLLECTED			COMPOSITE START			COMPOSITE ENDGRAB			# OF CONTAINERS			SAMPLE TEMP AT COLLECTION			# OF PRESERVED			UPPRESERVED			H ₂ SO ₄			HClO ₃			NaOH			Na ₂ SO ₃			MeOH			Other			Preservatives			Analysis Test			Y/N			Y/N			Y/N			Y/N			Y/N			Y/N			Y/N			Y/N			Y/N			Y/N			Y/N			Y/N			Y/N											
Required Client Information				Drinking Water			DW			WT			WW			P			SL			OL			WP			AR			TS			OT			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other			Other		
MATERIAL CODE (see valid codes to left)				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER																	
SAMPLE ID (A-Z, 0-9, -) Sample IDs MUST BE UNIQUE		#	ITEM #	WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER																							
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER																							
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER																													
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER																																			
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER																																									
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER																																												
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER			OTHER																																															
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER			OTHER																																																					
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER																																																								
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER																																																								
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER			OTHER																																																								
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIPES			AIR			TISSUE			OTHER			OTHER			OTHER																																																											
Required Client Information				WATER			WATER			WATER			WATER			PRODUCT			SOIL/SOLID			OIL			WIP																																																																										

Sample Condition Upon Receipt

Pace Analytical

Client Name: Munden & Assoc. Project # 5051052

MB 7/27/11

Courier: FedEx UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other

Date/Time 5035A kits placed in freezer

foam

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 1.9°C Ice Visible in Sample Containers: yes no

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: MB 7/27/11

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
-Includes date/time/ID/Analysis		
All containers needing acid/base pres. have been checked?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9. (Circle) HNO ₃ H ₂ SO ₄ NaOH HCl
exceptions: VOA, coliform, TOC, O&G		
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review:	<u>3 days</u>	Date: <u>7/27/11</u>
-------------------------	---------------	----------------------

CLIENT: Mundell & Assoc.

Sample Container Count



**COC PAGE 1 of 1
COC ID# 1441888**

Project # 5D51052

Sample Line

Item	DG9H	AG1U	WG FU R	4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1	3												
2	3												
3	3												
4	3												
5	3												
6	3												
7	3												
8	3												
9													
10													
11													
12													

Container Codes

DG9H	40mL HCl amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	BP1S	1 liter H2SO4 plastic	BP1T	1 liter HCl amber glass	BP1U	1 liter H2SO4 amber glass	BP1Z	1 liter unpreserved plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCl amber glass	BP1S	1 liter H2SO4 plastic	BP1T	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	BP1Z	1 liter Na Thio amber vial	BP1U	1 liter NaOH, Zn, Ac	DG9T	40mL Na Thio amber vial
WG FU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	BP1Z	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	BP1Z	1 liter NaOH, Zn, Ac	BP1Z	1 liter unpreserved amber vial	DG9U	40mL unpreserved amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP2A	500mL HNO3 plastic	BP2A	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	BP2A	500mL NaOH, Asc Acid plastic	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2O	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4ozz unpreserved amber wide						
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2Z	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can						
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP3A	250mL HNO3 plastic	BP3A	250mL NaOH, Asc Acid plastic	BP3A	250mL NaOH, Asc Acid plastic	BP3A	250mL NaOH, Asc Acid plastic	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCL clear vial
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3C	1 liter HCl clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial						
BP3U	250mL unpreserved plastic	BG1H	1 liter HCl clear glass	BP3S	1 liter H2SO4 clear glass	BP3S	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial						
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BG1T	1 liter Na Thiosulfate clear gla	BG1T	1 liter Na Thiosulfate clear gla	BG1T	1 liter Na Thiosulfate clear gla	BG1T	1 liter Na Thiosulfate clear gla	BG1T	1 liter Na Thiosulfate clear gla	VSG	Headspace septa vial & HCL
AG3S	250mL H2SO4 glass amber	BP1A	1 liter NaOH, Asc Acid plastic	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe								
AG1S	1 liter H2SO4 amber glass	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag								

August 12, 2011

Ms. Sarah Webb
Mundell & Associates
110 South Downey Ave.
Indianapolis, IN 46219

RE: Project: Michigan Plaza/M01046
Pace Project No.: 5051121

Dear Ms. Webb:

Enclosed are the analytical results for sample(s) received by the laboratory on July 29, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tina Sayer

tina.sayer@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: Michigan Plaza/M01046
Pace Project No.: 5051121

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247

Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

REPORT OF LABORATORY ANALYSIS

Page 2 of 31

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: Michigan Plaza/M01046
 Pace Project No.: 5051121

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5051121001	MMW-9s	Water	07/27/11 09:24	07/29/11 08:57
5051121002	MMW-10s	Water	07/27/11 10:02	07/29/11 08:57
5051121003	MMW-C-01	Water	07/27/11 12:02	07/29/11 08:57
5051121004	MMW-P-02	Water	07/27/11 12:44	07/29/11 08:57
5051121005	MMW-P-03D	Water	07/27/11 13:19	07/29/11 08:57
5051121006	MMW-P-03S	Water	07/27/11 13:49	07/29/11 08:57
5051121007	MMW-P-10S	Water	07/27/11 14:47	07/29/11 08:57
5051121008	MMW-P-10D	Water	07/27/11 15:19	07/29/11 08:57
5051121009	MMW-P-08	Water	07/27/11 15:47	07/29/11 08:57
5051121010	DUP 1	Water	07/27/11 08:00	07/29/11 08:57
5051121011	MMW-C-02	Water	07/27/11 11:32	07/29/11 08:57
5051121012	MMW-P-05	Water	07/27/11 14:19	07/29/11 08:57
5051121013	Trip Blank	Water	07/27/11 08:00	07/29/11 08:57

REPORT OF LABORATORY ANALYSIS

Page 3 of 31

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: Michigan Plaza/M01046
Pace Project No.: 5051121

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5051121001	MMW-9s	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051121002	MMW-10s	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051121003	MMW-C-01	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051121004	MMW-P-02	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051121005	MMW-P-03D	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051121006	MMW-P-03S	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051121007	MMW-P-10S	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051121008	MMW-P-10D	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051121009	MMW-P-08	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051121010	DUP 1	EPA 8260	GRM	20	PASI-I

REPORT OF LABORATORY ANALYSIS

Page 4 of 31

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: Michigan Plaza/M01046
 Pace Project No.: 5051121

Lab ID	Sample ID	Method	Analysts	Analytes Reported	
				Laboratory	
5051121011	MMW-C-02	EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051121012	MMW-P-05	EPA 8260	GRM	20	PASI-I
5051121013	Trip Blank	EPA 8260	GRM	20	PASI-I

REPORT OF LABORATORY ANALYSIS

Page 5 of 31

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-9s	Lab ID: 5051121001	Collected: 07/27/11 09:24	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/30/11 05:22	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/30/11 05:22	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/30/11 05:22	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/30/11 05:22	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/30/11 05:22	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/30/11 05:22	75-35-4	
cis-1,2-Dichloroethene	933	ug/L	50.0	10		07/30/11 05:56	156-59-2	
trans-1,2-Dichloroethene	32.0	ug/L	5.0	1		07/30/11 05:22	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/30/11 05:22	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/30/11 05:22	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/30/11 05:22	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/30/11 05:22	127-18-4	
Toluene	ND	ug/L	5.0	1		07/30/11 05:22	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/30/11 05:22	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/30/11 05:22	79-01-6	
Vinyl chloride	747	ug/L	20.0	10		07/30/11 05:56	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/30/11 05:22	1330-20-7	
Dibromofluoromethane (S)	101	%	83-123	1		07/30/11 05:22	1868-53-7	
4-Bromofluorobenzene (S)	98	%	72-125	1		07/30/11 05:22	460-00-4	
Toluene-d8 (S)	95	%	81-114	1		07/30/11 05:22	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 09:24		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 09:24		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	1.7	mg/L	1.0	1		08/10/11 21:00	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	217	mg/L	125	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-10s	Lab ID: 5051121002	Collected: 07/27/11 10:02	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/30/11 06:29	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/30/11 06:29	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/30/11 06:29	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/30/11 06:29	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/30/11 06:29	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/30/11 06:29	75-35-4	
cis-1,2-Dichloroethene	206	ug/L	5.0	1		07/30/11 06:29	156-59-2	
trans-1,2-Dichloroethene	7.2	ug/L	5.0	1		07/30/11 06:29	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/30/11 06:29	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/30/11 06:29	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/30/11 06:29	91-20-3	
Tetrachloroethene	24.5	ug/L	5.0	1		07/30/11 06:29	127-18-4	
Toluene	ND	ug/L	5.0	1		07/30/11 06:29	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/30/11 06:29	71-55-6	
Trichloroethene	14.3	ug/L	5.0	1		07/30/11 06:29	79-01-6	
Vinyl chloride	295	ug/L	2.0	1		07/30/11 06:29	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/30/11 06:29	1330-20-7	
Dibromofluoromethane (S)	103 %		83-123	1		07/30/11 06:29	1868-53-7	
4-Bromofluorobenzene (S)	98 %		72-125	1		07/30/11 06:29	460-00-4	
Toluene-d8 (S)	100 %		81-114	1		07/30/11 06:29	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 09:27		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 09:27		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	3.4	mg/L	1.0	1		08/10/11 21:29	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	414	mg/L	125	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-C-01	Lab ID: 5051121003	Collected: 07/27/11 12:02	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/30/11 07:36	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/30/11 07:36	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/30/11 07:36	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/30/11 07:36	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/30/11 07:36	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/30/11 07:36	75-35-4	
cis-1,2-Dichloroethene	17.1	ug/L	5.0	1		07/30/11 07:36	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/30/11 07:36	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/30/11 07:36	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/30/11 07:36	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/30/11 07:36	91-20-3	
Tetrachloroethene	36.7	ug/L	5.0	1		07/30/11 07:36	127-18-4	
Toluene	ND	ug/L	5.0	1		07/30/11 07:36	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/30/11 07:36	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/30/11 07:36	79-01-6	
Vinyl chloride	150	ug/L	2.0	1		07/30/11 07:36	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/30/11 07:36	1330-20-7	
Dibromofluoromethane (S)	102 %		83-123	1		07/30/11 07:36	1868-53-7	
4-Bromofluorobenzene (S)	101 %		72-125	1		07/30/11 07:36	460-00-4	
Toluene-d8 (S)	100 %		81-114	1		07/30/11 07:36	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	0.79	mg/L	0.10	1		07/29/11 09:29		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 09:29		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	1.8	mg/L	1.0	1		08/10/11 21:43	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	113	mg/L	25.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-P-02	Lab ID: 5051121004	Collected: 07/27/11 12:44	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/30/11 08:43	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/30/11 08:43	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/30/11 08:43	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/30/11 08:43	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/30/11 08:43	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/30/11 08:43	75-35-4	
cis-1,2-Dichloroethene	42.9	ug/L	5.0	1		07/30/11 08:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/30/11 08:43	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/30/11 08:43	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/30/11 08:43	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/30/11 08:43	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/30/11 08:43	127-18-4	
Toluene	ND	ug/L	5.0	1		07/30/11 08:43	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/30/11 08:43	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/30/11 08:43	79-01-6	
Vinyl chloride	218	ug/L	2.0	1		07/30/11 08:43	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/30/11 08:43	1330-20-7	
Dibromofluoromethane (S)	103 %		83-123	1		07/30/11 08:43	1868-53-7	
4-Bromofluorobenzene (S)	95 %		72-125	1		07/30/11 08:43	460-00-4	
Toluene-d8 (S)	97 %		81-114	1		07/30/11 08:43	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 09:30		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 09:30		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	1.0	mg/L	1.0	1		08/10/11 22:25	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	190	mg/L	50.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-P-03D	Lab ID: 5051121005	Collected: 07/27/11 13:19	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/30/11 09:50	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/30/11 09:50	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/30/11 09:50	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/30/11 09:50	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/30/11 09:50	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/30/11 09:50	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		07/30/11 09:50	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/30/11 09:50	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/30/11 09:50	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/30/11 09:50	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/30/11 09:50	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/30/11 09:50	127-18-4	
Toluene	ND	ug/L	5.0	1		07/30/11 09:50	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/30/11 09:50	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/30/11 09:50	79-01-6	
Vinyl chloride	10.5	ug/L	2.0	1		07/30/11 09:50	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/30/11 09:50	1330-20-7	
Dibromofluoromethane (S)	102 %		83-123	1		07/30/11 09:50	1868-53-7	
4-Bromofluorobenzene (S)	95 %		72-125	1		07/30/11 09:50	460-00-4	
Toluene-d8 (S)	98 %		81-114	1		07/30/11 09:50	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 09:31		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 09:31		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	1.8	mg/L	1.0	1		08/11/11 01:04	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	25.6	mg/L	5.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-P-03S	Lab ID: 5051121006	Collected: 07/27/11 13:49	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 04:12	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 04:12	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 04:12	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 04:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 04:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 04:12	75-35-4	
cis-1,2-Dichloroethene	29.3	ug/L	5.0	1		08/02/11 04:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 04:12	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 04:12	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 04:12	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 04:12	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 04:12	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 04:12	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 04:12	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 04:12	79-01-6	
Vinyl chloride	245	ug/L	2.0	1		08/02/11 04:12	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 04:12	1330-20-7	
Dibromofluoromethane (S)	98 %		83-123	1		08/02/11 04:12	1868-53-7	
4-Bromofluorobenzene (S)	95 %		72-125	1		08/02/11 04:12	460-00-4	
Toluene-d8 (S)	99 %		81-114	1		08/02/11 04:12	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 09:36		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 09:36		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	2.3	mg/L	1.0	1		08/10/11 23:08	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	51.4	mg/L	12.5	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-P-10S	Lab ID: 5051121007	Collected: 07/27/11 14:47	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 05:19	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 05:19	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 05:19	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 05:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 05:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 05:19	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 05:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 05:19	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 05:19	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 05:19	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 05:19	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 05:19	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 05:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 05:19	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 05:19	79-01-6	
Vinyl chloride	12.5	ug/L	2.0	1		08/02/11 05:19	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 05:19	1330-20-7	
Dibromofluoromethane (S)	97 %		83-123	1		08/02/11 05:19	1868-53-7	
4-Bromofluorobenzene (S)	96 %		72-125	1		08/02/11 05:19	460-00-4	
Toluene-d8 (S)	101 %		81-114	1		08/02/11 05:19	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 09:37		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 09:37		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	3.7	mg/L	1.0	1		08/10/11 23:50	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	87.9	mg/L	25.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-P-10D	Lab ID: 5051121008	Collected: 07/27/11 15:19	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 05:52	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 05:52	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 05:52	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 05:52	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 05:52	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 05:52	75-35-4	
cis-1,2-Dichloroethene	46.5	ug/L	5.0	1		08/02/11 05:52	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 05:52	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 05:52	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 05:52	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 05:52	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 05:52	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 05:52	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 05:52	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 05:52	79-01-6	
Vinyl chloride	825	ug/L	20.0	10		08/02/11 06:26	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 05:52	1330-20-7	
Dibromofluoromethane (S)	98 %		83-123	1		08/02/11 05:52	1868-53-7	
4-Bromofluorobenzene (S)	96 %		72-125	1		08/02/11 05:52	460-00-4	
Toluene-d8 (S)	97 %		81-114	1		08/02/11 05:52	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 09:39		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 09:39		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	2.1	mg/L	1.0	1		08/11/11 00:04	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	64.1	mg/L	12.5	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-P-08	Lab ID: 5051121009	Collected: 07/27/11 15:47	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 06:59	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 06:59	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 06:59	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 06:59	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 06:59	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 06:59	75-35-4	
cis-1,2-Dichloroethene	35.9	ug/L	5.0	1		08/02/11 06:59	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 06:59	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 06:59	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 06:59	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 06:59	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 06:59	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 06:59	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 06:59	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 06:59	79-01-6	
Vinyl chloride	274	ug/L	2.0	1		08/02/11 06:59	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 06:59	1330-20-7	
Dibromofluoromethane (S)	98 %		83-123	1		08/02/11 06:59	1868-53-7	
4-Bromofluorobenzene (S)	100 %		72-125	1		08/02/11 06:59	460-00-4	
Toluene-d8 (S)	100 %		81-114	1		08/02/11 06:59	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 09:40		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 09:40		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	3.0	mg/L	1.0	1		08/11/11 01:18	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	185	mg/L	50.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: DUP 1	Lab ID: 5051121010	Collected: 07/27/11 08:00	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 08:06	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 08:06	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 08:06	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 08:06	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 08:06	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 08:06	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 08:06	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 08:06	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 08:06	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 08:06	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 08:06	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 08:06	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 08:06	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 08:06	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 08:06	79-01-6	
Vinyl chloride	12.5	ug/L	2.0	1		08/02/11 08:06	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 08:06	1330-20-7	
Dibromofluoromethane (S)	98	%	83-123	1		08/02/11 08:06	1868-53-7	
4-Bromofluorobenzene (S)	97	%	72-125	1		08/02/11 08:06	460-00-4	
Toluene-d8 (S)	97	%	81-114	1		08/02/11 08:06	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 09:41		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 09:41		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	3.5	mg/L	1.0	1		08/11/11 01:32	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	87.5	mg/L	25.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-C-02	Lab ID: 5051121011	Collected: 07/27/11 11:32	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 09:13	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 09:13	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 09:13	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 09:13	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 09:13	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 09:13	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 09:13	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 09:13	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 09:13	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 09:13	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 09:13	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 09:13	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 09:13	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 09:13	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 09:13	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		08/02/11 09:13	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 09:13	1330-20-7	
Dibromofluoromethane (S)	98 %		83-123	1		08/02/11 09:13	1868-53-7	
4-Bromofluorobenzene (S)	99 %		72-125	1		08/02/11 09:13	460-00-4	
Toluene-d8 (S)	98 %		81-114	1		08/02/11 09:13	2037-26-5	

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: MMW-P-05	Lab ID: 5051121012	Collected: 07/27/11 14:19	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 03:19	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 03:19	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 03:19	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 03:19	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 03:19	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 03:19	75-35-4	
cis-1,2-Dichloroethene	10.3	ug/L	5.0	1		08/02/11 03:19	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 03:19	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 03:19	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 03:19	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 03:19	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 03:19	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 03:19	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 03:19	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 03:19	79-01-6	
Vinyl chloride	307	ug/L	20.0	10		08/02/11 16:52	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 03:19	1330-20-7	
Dibromofluoromethane (S)	98 %		83-123	1		08/02/11 03:19	1868-53-7	
4-Bromofluorobenzene (S)	94 %		72-125	1		08/02/11 03:19	460-00-4	
Toluene-d8 (S)	96 %		81-114	1		08/02/11 03:19	2037-26-5	

ANALYTICAL RESULTS

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

Sample: Trip Blank	Lab ID: 5051121013	Collected: 07/27/11 08:00	Received: 07/29/11 08:57	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 03:53	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 03:53	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 03:53	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 03:53	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 03:53	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 03:53	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 03:53	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 03:53	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 03:53	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 03:53	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 03:53	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 03:53	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 03:53	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 03:53	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 03:53	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		08/02/11 03:53	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 03:53	1330-20-7	
Dibromofluoromethane (S)	100 %		83-123	1		08/02/11 03:53	1868-53-7	
4-Bromofluorobenzene (S)	97 %		72-125	1		08/02/11 03:53	460-00-4	
Toluene-d8 (S)	99 %		81-114	1		08/02/11 03:53	2037-26-5	



QUALITY CONTROL DATA

Project: Michigan Plaza/M01046
Pace Project No.: 5051121

QC Batch: MSV/34609 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5051121001, 5051121002, 5051121003, 5051121004, 5051121005

METHOD BLANK: 604493 Matrix: Water

Associated Lab Samples: 5051121001, 5051121002, 5051121003, 5051121004, 5051121005

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
1,1,1-Trichloroethane	ug/L	ND	5.0	07/30/11 00:54	
1,1-Dichloroethane	ug/L	ND	5.0	07/30/11 00:54	
1,1-Dichloroethene	ug/L	ND	5.0	07/30/11 00:54	
1,2-Dichloroethane	ug/L	ND	5.0	07/30/11 00:54	
Benzene	ug/L	ND	5.0	07/30/11 00:54	
Carbon tetrachloride	ug/L	ND	5.0	07/30/11 00:54	
Chloroform	ug/L	ND	5.0	07/30/11 00:54	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/30/11 00:54	
Ethylbenzene	ug/L	ND	5.0	07/30/11 00:54	
Methylene chloride	ug/L	ND	5.0	07/30/11 00:54	
Naphthalene	ug/L	ND	5.0	07/30/11 00:54	
Tetrachloroethene	ug/L	ND	5.0	07/30/11 00:54	
Toluene	ug/L	ND	5.0	07/30/11 00:54	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/30/11 00:54	
Trichloroethene	ug/L	ND	5.0	07/30/11 00:54	
Vinyl chloride	ug/L	ND	2.0	07/30/11 00:54	
Xylene (Total)	ug/L	ND	10.0	07/30/11 00:54	
4-Bromofluorobenzene (S)	%	99	72-125	07/30/11 00:54	
Dibromofluoromethane (S)	%	96	83-123	07/30/11 00:54	
Toluene-d8 (S)	%	97	81-114	07/30/11 00:54	

LABORATORY CONTROL SAMPLE: 604494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	51.3	103	69-126	
1,1-Dichloroethane	ug/L	50	48.5	97	70-127	
1,1-Dichloroethene	ug/L	50	55.3	111	75-145	
1,2-Dichloroethane	ug/L	50	46.5	93	71-127	
Benzene	ug/L	50	48.9	98	76-123	
Carbon tetrachloride	ug/L	50	50.7	101	65-125	
Chloroform	ug/L	50	50.2	100	73-122	
cis-1,2-Dichloroethene	ug/L	50	52.0	104	79-129	
Ethylbenzene	ug/L	50	52.4	105	75-120	
Methylene chloride	ug/L	50	50.4	101	61-138	
Naphthalene	ug/L	50	42.6	85	62-130	
Tetrachloroethene	ug/L	50	51.3	103	57-125	
Toluene	ug/L	50	54.8	110	72-124	
trans-1,2-Dichloroethene	ug/L	50	66.2	132	71-145	
Trichloroethene	ug/L	50	51.3	103	77-122	
Vinyl chloride	ug/L	50	56.9	114	61-146	
Xylene (Total)	ug/L	150	153	102	72-126	

Date: 08/12/2011 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 19 of 31

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

LABORATORY CONTROL SAMPLE: 604494

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			101	72-125	
Dibromofluoromethane (S)	%			101	83-123	
Toluene-d8 (S)	%			101	81-114	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 604495 604496

Parameter	Units	5051121001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	Max RPD	Max RPD	Qual
1,1,1-Trichloroethane	ug/L	ND	50	50	33.4	37.3	67	75	37-136	11	20	
1,1-Dichloroethane	ug/L	ND	50	50	30.4	34.0	61	68	47-138	11	20	
1,1-Dichloroethene	ug/L	ND	50	50	37.1	41.5	74	83	54-152	11	20	
1,2-Dichloroethane	ug/L	ND	50	50	30.0	33.5	60	67	42-139	11	20	
Benzene	ug/L	ND	50	50	31.3	35.3	63	71	52-134	12	20	
Carbon tetrachloride	ug/L	ND	50	50	33.1	38.1	66	76	26-136	14	20	
Chloroform	ug/L	ND	50	50	32.2	35.7	64	71	50-134	10	20	
cis-1,2-Dichloroethene	ug/L	933	50	50	942	968	19	70	48-145	3	20	M0
Ethylbenzene	ug/L	ND	50	50	32.7	35.2	65	70	29-132	7	20	
Methylene chloride	ug/L	ND	50	50	31.8	36.2	64	72	47-141	13	20	
Naphthalene	ug/L	ND	50	50	25.5	28.9	51	58	40-124	13	20	
Tetrachloroethene	ug/L	ND	50	50	33.5	37.1	67	74	30-124	10	20	
Toluene	ug/L	ND	50	50	34.6	38.1	69	76	42-130	10	20	
trans-1,2-Dichloroethene	ug/L	32.0	50	50	70.8	74.1	78	84	48-144	5	20	
Trichloroethene	ug/L	ND	50	50	33.3	38.0	65	74	44-130	13	20	
Vinyl chloride	ug/L	747	50	50	826	883	158	271	45-159	7	20	M0
Xylene (Total)	ug/L	ND	150	150	102	110	68	74	29-131	8	20	
4-Bromofluorobenzene (S)	%						99	100	72-125		20	
Dibromofluoromethane (S)	%						102	105	83-123		20	
Toluene-d8 (S)	%						98	98	81-114		20	



QUALITY CONTROL DATA

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

QC Batch: MSV/34641 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 5051121006, 5051121007, 5051121008, 5051121009, 5051121010, 5051121011

METHOD BLANK: 604826 Matrix: Water

Associated Lab Samples: 5051121006, 5051121007, 5051121008, 5051121009, 5051121010, 5051121011

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
1,1,1-Trichloroethane	ug/L	ND	5.0	08/02/11 01:25	
1,1-Dichloroethane	ug/L	ND	5.0	08/02/11 01:25	
1,1-Dichloroethene	ug/L	ND	5.0	08/02/11 01:25	
1,2-Dichloroethane	ug/L	ND	5.0	08/02/11 01:25	
Benzene	ug/L	ND	5.0	08/02/11 01:25	
Carbon tetrachloride	ug/L	ND	5.0	08/02/11 01:25	
Chloroform	ug/L	ND	5.0	08/02/11 01:25	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/02/11 01:25	
Ethylbenzene	ug/L	ND	5.0	08/02/11 01:25	
Methylene chloride	ug/L	ND	5.0	08/02/11 01:25	
Naphthalene	ug/L	ND	5.0	08/02/11 01:25	
Tetrachloroethene	ug/L	ND	5.0	08/02/11 01:25	
Toluene	ug/L	ND	5.0	08/02/11 01:25	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/02/11 01:25	
Trichloroethene	ug/L	ND	5.0	08/02/11 01:25	
Vinyl chloride	ug/L	ND	2.0	08/02/11 01:25	
Xylene (Total)	ug/L	ND	10.0	08/02/11 01:25	
4-Bromofluorobenzene (S)	%	95	72-125	08/02/11 01:25	
Dibromofluoromethane (S)	%	100	83-123	08/02/11 01:25	
Toluene-d8 (S)	%	99	81-114	08/02/11 01:25	

LABORATORY CONTROL SAMPLE: 604827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.4	91	69-126	
1,1-Dichloroethane	ug/L	50	46.3	93	70-127	
1,1-Dichloroethene	ug/L	50	47.6	95	75-145	
1,2-Dichloroethane	ug/L	50	46.8	94	71-127	
Benzene	ug/L	50	46.8	94	76-123	
Carbon tetrachloride	ug/L	50	43.3	87	65-125	
Chloroform	ug/L	50	47.6	95	73-122	
cis-1,2-Dichloroethene	ug/L	50	48.3	97	79-129	
Ethylbenzene	ug/L	50	50.4	101	75-120	
Methylene chloride	ug/L	50	48.2	96	61-138	
Naphthalene	ug/L	50	43.8	88	62-130	
Tetrachloroethene	ug/L	50	48.2	96	57-125	
Toluene	ug/L	50	47.7	95	72-124	
trans-1,2-Dichloroethene	ug/L	50	44.1	88	71-145	
Trichloroethene	ug/L	50	47.5	95	77-122	
Vinyl chloride	ug/L	50	44.9	90	61-146	
Xylene (Total)	ug/L	150	148	99	72-126	

Date: 08/12/2011 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 21 of 31

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

LABORATORY CONTROL SAMPLE: 604827

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			101	72-125	
Dibromofluoromethane (S)	%			95	83-123	
Toluene-d8 (S)	%			100	81-114	

MATRIX SPIKE SAMPLE: 604828

Parameter	Units	5051121011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	37.5	75	37-136	
1,1-Dichloroethane	ug/L	ND	50	36.3	73	47-138	
1,1-Dichloroethene	ug/L	ND	50	40.6	81	54-152	
1,2-Dichloroethane	ug/L	ND	50	37.8	76	42-139	
Benzene	ug/L	ND	50	37.3	75	52-134	
Carbon tetrachloride	ug/L	ND	50	33.7	67	26-136	
Chloroform	ug/L	ND	50	38.8	78	50-134	
cis-1,2-Dichloroethene	ug/L	ND	50	36.9	74	48-145	
Ethylbenzene	ug/L	ND	50	37.7	75	29-132	
Methylene chloride	ug/L	ND	50	39.0	78	47-141	
Naphthalene	ug/L	ND	50	30.7	61	40-124	
Tetrachloroethene	ug/L	ND	50	37.3	75	30-124	
Toluene	ug/L	ND	50	35.7	71	42-130	
trans-1,2-Dichloroethene	ug/L	ND	50	38.1	76	48-144	
Trichloroethene	ug/L	ND	50	38.3	77	44-130	
Vinyl chloride	ug/L	ND	50	37.5	75	45-159	
Xylene (Total)	ug/L	ND	150	108	72	29-131	
4-Bromofluorobenzene (S)	%				98	72-125	
Dibromofluoromethane (S)	%				103	83-123	
Toluene-d8 (S)	%				96	81-114	

QUALITY CONTROL DATA

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

QC Batch:	MSV/34644	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV
Associated Lab Samples:	5051121012, 5051121013		

METHOD BLANK: 604833 Matrix: Water

Associated Lab Samples: 5051121012, 5051121013

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	08/02/11 02:13	
1,1-Dichloroethane	ug/L	ND	5.0	08/02/11 02:13	
1,1-Dichloroethene	ug/L	ND	5.0	08/02/11 02:13	
1,2-Dichloroethane	ug/L	ND	5.0	08/02/11 02:13	
Benzene	ug/L	ND	5.0	08/02/11 02:13	
Carbon tetrachloride	ug/L	ND	5.0	08/02/11 02:13	
Chloroform	ug/L	ND	5.0	08/02/11 02:13	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/02/11 02:13	
Ethylbenzene	ug/L	ND	5.0	08/02/11 02:13	
Methylene chloride	ug/L	ND	5.0	08/02/11 02:13	
Naphthalene	ug/L	ND	5.0	08/02/11 02:13	
Tetrachloroethene	ug/L	ND	5.0	08/02/11 02:13	
Toluene	ug/L	ND	5.0	08/02/11 02:13	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/02/11 02:13	
Trichloroethene	ug/L	ND	5.0	08/02/11 02:13	
Vinyl chloride	ug/L	ND	2.0	08/02/11 02:13	
Xylene (Total)	ug/L	ND	10.0	08/02/11 02:13	
4-Bromofluorobenzene (S)	%	98	72-125	08/02/11 02:13	
Dibromofluoromethane (S)	%	95	83-123	08/02/11 02:13	
Toluene-d8 (S)	%	100	81-114	08/02/11 02:13	

LABORATORY CONTROL SAMPLE: 604834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.8	100	69-126	
1,1-Dichloroethane	ug/L	50	49.4	99	70-127	
1,1-Dichloroethene	ug/L	50	53.0	106	75-145	
1,2-Dichloroethane	ug/L	50	50.4	101	71-127	
Benzene	ug/L	50	49.9	100	76-123	
Carbon tetrachloride	ug/L	50	47.4	95	65-125	
Chloroform	ug/L	50	51.6	103	73-122	
cis-1,2-Dichloroethene	ug/L	50	51.8	104	79-129	
Ethylbenzene	ug/L	50	52.6	105	75-120	
Methylene chloride	ug/L	50	47.0	94	61-138	
Naphthalene	ug/L	50	45.7	91	62-130	
Tetrachloroethene	ug/L	50	52.5	105	57-125	
Toluene	ug/L	50	50.9	102	72-124	
trans-1,2-Dichloroethene	ug/L	50	52.7	105	71-145	
Trichloroethene	ug/L	50	52.0	104	77-122	
Vinyl chloride	ug/L	50	50.3	101	61-146	
Xylene (Total)	ug/L	150	158	105	72-126	

Date: 08/12/2011 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 23 of 31

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

QUALITY CONTROL DATA

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

LABORATORY CONTROL SAMPLE: 604834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			99	72-125	
Dibromofluoromethane (S)	%			97	83-123	
Toluene-d8 (S)	%			99	81-114	

MATRIX SPIKE SAMPLE: 604835

Parameter	Units	5051124007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L		ND	50	38.3	77	37-136
1,1-Dichloroethane	ug/L		ND	50	35.8	72	47-138
1,1-Dichloroethene	ug/L		ND	50	41.5	83	54-152
1,2-Dichloroethane	ug/L		ND	50	38.4	77	42-139
Benzene	ug/L		ND	50	38.1	76	52-134
Carbon tetrachloride	ug/L		ND	50	35.7	71	26-136
Chloroform	ug/L		ND	50	38.9	78	50-134
cis-1,2-Dichloroethene	ug/L	29.0	50	66.8	76	48-145	
Ethylbenzene	ug/L		ND	50	39.7	79	29-132
Methylene chloride	ug/L		ND	50	34.7	69	47-141
Naphthalene	ug/L		ND	50	31.8	64	40-124
Tetrachloroethene	ug/L	19.4	50	60.1	81	30-124	
Toluene	ug/L		ND	50	37.6	75	42-130
trans-1,2-Dichloroethene	ug/L		ND	50	41.3	83	48-144
Trichloroethene	ug/L		ND	50	40.4	77	44-130
Vinyl chloride	ug/L	130	50	165	68	45-159	
Xylene (Total)	ug/L		ND	150	117	78	29-131
4-Bromofluorobenzene (S)	%				100	72-125	
Dibromofluoromethane (S)	%				97	83-123	
Toluene-d8 (S)	%				98	81-114	

QUALITY CONTROL DATA

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

QC Batch:	WETA/6662	Analysis Method:	EPA 353.2
QC Batch Method:	EPA 353.2	Analysis Description:	353.2 Nitrate + Nitrite, Unpres.
Associated Lab Samples: 5051121001, 5051121002, 5051121003, 5051121004, 5051121005, 5051121006, 5051121007, 5051121008, 5051121009, 5051121010			

METHOD BLANK:	603534	Matrix:	Water
---------------	--------	---------	-------

Associated Lab Samples: 5051121001, 5051121002, 5051121003, 5051121004, 5051121005, 5051121006, 5051121007, 5051121008, 5051121009, 5051121010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Nitrogen, Nitrate	mg/L	ND	0.10	07/29/11 09:22	
Nitrogen, Nitrite	mg/L	ND	0.10	07/29/11 09:22	

LABORATORY CONTROL SAMPLE: 603535

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Nitrogen, Nitrate	mg/L	2	2.0	101	90-110	
Nitrogen, Nitrite	mg/L	2	2.2	110	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 603536 603537

Parameter	Units	5051121001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	RPD	Max Qual
Nitrogen, Nitrate	mg/L	ND	2	2	1.8	1.7	86	83	90-110	3	20	H1,M3
Nitrogen, Nitrite	mg/L	ND	2	2	2.1	2.1	102	100	90-110	1	20	

QUALITY CONTROL DATA

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

QC Batch: WETA/17225 Analysis Method: SM 5310C

QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon

Associated Lab Samples: 5051121001, 5051121002, 5051121003

METHOD BLANK: 857151 Matrix: Water

Associated Lab Samples: 5051121001, 5051121002, 5051121003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	08/10/11 15:21	

LABORATORY CONTROL SAMPLE: 857152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.1	102	80-120	

MATRIX SPIKE SAMPLE: 857154

Parameter	Units	5051121001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.7	5	8.0	124	80-120	M0

SAMPLE DUPLICATE: 857153

Parameter	Units	5051124001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	4.0	4.0	0	25	

QUALITY CONTROL DATA

Project: Michigan Plaza/M01046
Pace Project No.: 5051121

QC Batch:	WETA/17226	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
Associated Lab Samples:	5051121004, 5051121006, 5051121007, 5051121008		

METHOD BLANK:	857159	Matrix:	Water
---------------	--------	---------	-------

Associated Lab Samples: 5051121004, 5051121006, 5051121007, 5051121008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	08/10/11 21:57	

LABORATORY CONTROL SAMPLE: 857160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.0	100	80-120	

MATRIX SPIKE SAMPLE: 857162

Parameter	Units	5051226001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	4.5	5	10.5	119	80-120	

QUALITY CONTROL DATA

Project: Michigan Plaza/M01046

Pace Project No.: 5051121

QC Batch: WETA/17245 Analysis Method: SM 5310C

QC Batch Method: SM 5310C Analysis Description: 5310C Total Organic Carbon

Associated Lab Samples: 5051121005, 5051121009, 5051121010

METHOD BLANK: 857871 Matrix: Water

Associated Lab Samples: 5051121005, 5051121009, 5051121010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	08/11/11 22:14	

LABORATORY CONTROL SAMPLE: 857872

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	4.9	98	80-120	

SAMPLE DUPLICATE: 857879

Parameter	Units	60102647009 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	37.4	38.0	2	25	

QUALITY CONTROL DATA

Project: Michigan Plaza/M01046
Pace Project No.: 5051121

QC Batch: WETA/6664 Analysis Method: ASTM D516-90,02
QC Batch Method: ASTM D516-90,02 Analysis Description: ASTM D516-9002 Sulfate Water
Associated Lab Samples: 5051121001, 5051121002, 5051121003, 5051121004, 5051121005, 5051121006, 5051121007, 5051121008,
5051121009, 5051121010

METHOD BLANK: 603624 Matrix: Water

Associated Lab Samples: 5051121001, 5051121002, 5051121003, 5051121004, 5051121005, 5051121006, 5051121007, 5051121008, 5051121009, 5051121010

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Sulfate	mg/L	ND	5.0	07/29/11 14:15	N2

LABORATORY CONTROL SAMPLE: 603625

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	20	21.5	108	90-110	N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 603626 603627

Parameter	Units	5051121001		MS		MSD		MS		MSD		% Rec		Max						
		Spike	Conc.	Spike	Conc.	MS	Result	MSD	Result	MS	% Rec	MSD	% Rec	% Rec	Limits	RPD	RPD	Qual		
Sulfate	mg/L		217		500		500		767		756		110		108		90-110	1	20	N2

MATRIX SPIKE SAMPLE: 603628

Parameter	Units	5051124001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Sulfate	mg/L	33.1	100	164	131	90-110	M0,N2

QUALIFIERS

Project: Michigan Plaza/M01046
Pace Project No.: 5051121

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-I Pace Analytical Services - Indianapolis

PASI-K Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

H1 Analysis conducted outside the EPA method holding time.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.

N2 The lab does not hold TNI accreditation for this parameter.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Michigan Plaza/M01046
Pace Project No.: 5051121

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5051121001	MMW-9s	EPA 8260	MSV/34609		
5051121002	MMW-10s	EPA 8260	MSV/34609		
5051121003	MMW-C-01	EPA 8260	MSV/34609		
5051121004	MMW-P-02	EPA 8260	MSV/34609		
5051121005	MMW-P-03D	EPA 8260	MSV/34609		
5051121006	MMW-P-03S	EPA 8260	MSV/34641		
5051121007	MMW-P-10S	EPA 8260	MSV/34641		
5051121008	MMW-P-10D	EPA 8260	MSV/34641		
5051121009	MMW-P-08	EPA 8260	MSV/34641		
5051121010	DUP 1	EPA 8260	MSV/34641		
5051121011	MMW-C-02	EPA 8260	MSV/34641		
5051121012	MMW-P-05	EPA 8260	MSV/34644		
5051121013	Trip Blank	EPA 8260	MSV/34644		
5051121001	MMW-9s	EPA 353.2	WETA/6662		
5051121002	MMW-10s	EPA 353.2	WETA/6662		
5051121003	MMW-C-01	EPA 353.2	WETA/6662		
5051121004	MMW-P-02	EPA 353.2	WETA/6662		
5051121005	MMW-P-03D	EPA 353.2	WETA/6662		
5051121006	MMW-P-03S	EPA 353.2	WETA/6662		
5051121007	MMW-P-10S	EPA 353.2	WETA/6662		
5051121008	MMW-P-10D	EPA 353.2	WETA/6662		
5051121009	MMW-P-08	EPA 353.2	WETA/6662		
5051121010	DUP 1	EPA 353.2	WETA/6662		
5051121001	MMW-9s	SM 5310C	WETA/17225		
5051121002	MMW-10s	SM 5310C	WETA/17225		
5051121003	MMW-C-01	SM 5310C	WETA/17225		
5051121004	MMW-P-02	SM 5310C	WETA/17226		
5051121005	MMW-P-03D	SM 5310C	WETA/17245		
5051121006	MMW-P-03S	SM 5310C	WETA/17226		
5051121007	MMW-P-10S	SM 5310C	WETA/17226		
5051121008	MMW-P-10D	SM 5310C	WETA/17226		
5051121009	MMW-P-08	SM 5310C	WETA/17245		
5051121010	DUP 1	SM 5310C	WETA/17245		
5051121001	MMW-9s	ASTM D516-90,02	WETA/6664		
5051121002	MMW-10s	ASTM D516-90,02	WETA/6664		
5051121003	MMW-C-01	ASTM D516-90,02	WETA/6664		
5051121004	MMW-P-02	ASTM D516-90,02	WETA/6664		
5051121005	MMW-P-03D	ASTM D516-90,02	WETA/6664		
5051121006	MMW-P-03S	ASTM D516-90,02	WETA/6664		
5051121007	MMW-P-10S	ASTM D516-90,02	WETA/6664		
5051121008	MMW-P-10D	ASTM D516-90,02	WETA/6664		
5051121009	MMW-P-08	ASTM D516-90,02	WETA/6664		
5051121010	DUP 1	ASTM D516-90,02	WETA/6664		



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Analyst
www.pacelabs.com

Analystical
www.pacelabs.com

Important Note: By signing this form you are accepting Decale NCT an 20 day payment terms and noncancelable in late October at £50. later months for new invoices not paid within 30 days.

Sample Condition Upon Receipt



Client Name: Mondell

Project # 5051121

Courier: Fed Ex UPS USPS Client Commercial Pace Other _____

Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Date/Time 5035A kits placed in freezer

Packing Material: Bubble Wrap Bubble Bags None Other _____

Thermometer Used 1 2 3 4 6 7 B C D E

Type of Ice: Wet Blue None

Samples on ice, cooling process has begun

Cooler Temperature

2.0

Ice Visible in Sample Containers:

yes no

Temp should be above freezing to 6°C

Comments: _____

Date and Initials of person examining contents: 7-29-11 JU

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	5.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	6.
Containers Intact:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	9. (Circle) HNO ₃ H ₂ SO ₄ NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input checked="" type="checkbox"/> N/A	10.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	<input type="checkbox"/> N/A	11.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	12.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13.
Correct Containers Used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	14.

Project Manager Review:

Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	13.
Correct Containers Used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	14.

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/Resolution:

MMW-95, MS, MSD, MMW-P-03D, Dupl do not have time on them

Project Manager Review:

J. Sayl

Date: 7/29/11

CLIENT: Norden

Sample Container Count

COC PAGE 1 of 2

Project #

505121

Sample Line

Item	DG9H	AG1U	WGFU	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1	3										1	1	
2	6										2	2	
3	3										1	1	
4	3												
5	3												
6	3										1	1	
7	3										1	1	
8	3										1	1	
9	3												
10	3										1	1	
11	3										1	1	
12	3										1	1	

Container Codes

DG9H	40mL HCL amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	BP1S	1 liter H2SO4 plastic	BP1U	1 liter HCl amber glass	BP1T	1 liter H2SO4 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCl amber glass	BP1S	1 liter H2SO4 plastic	BP1U	1 liter H2SO4 plastic	BP1T	1 liter HCl amber glass	BP1U	1 liter unpreserved plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	BP1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, AC	BP1Z	1 liter unpreserved amber vial	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, AC	BP1Z	1 liter NaOH, Zn, AC	BP1Z	1 liter NaOH, Zn, AC	BP1Z	1 liter unpreserved amber vial	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	BP2A	500mL NaOH, Asc Acid plastic	BP2A	500mL NaOH, Asc Acid plastic	BP2A	500mL NaOH, Asc Acid plastic	JGFU	4oz unpreserved amber wide
BP2U	500mL H2SO4 amber glass	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	BP2O	500mL NaOH plastic	BP2O	500mL NaOH plastic	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	BP2Z	500mL NaOH, Zn Ac	BP2Z	500mL NaOH, Zn Ac	BP2Z	500mL NaOH, Zn Ac	JGFU	4oz unpreserved amber wide
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	BP3A	250mL NaOH, Asc Acid plastic	BP3A	250mL NaOH, Asc Acid plastic	BP3A	250mL NaOH, Asc Acid plastic	VGGH	40mL HCl clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCl clear glass	BP3C	250mL NaOH plastic	BP3C	250mL NaOH plastic	BP3C	250mL NaOH plastic	BP3C	250mL NaOH plastic	VGGH	40mL HCl clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	BP3Z	250mL NaOH, Zn Ac plastic	BP3Z	250mL NaOH, Zn Ac plastic	BP3Z	250mL NaOH, Zn Ac plastic	VGGH	40mL HCl clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C Air Cassettes	C Air Cassettes	C Air Cassettes	C Air Cassettes	C Air Cassettes	C Air Cassettes	C Air Cassettes	C Air Cassettes	VSG	Headspace septa vial & HCl
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	DG9B	40mL Na Bisulfate amber vial	DG9B	40mL Na Bisulfate amber vial	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	DG9M	40mL MeOH clear vial	DG9M	40mL MeOH clear vial	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

CLIENT: MNDell

Sample Container Count

COC PAGE 2 of 2
COC ID# _____

Project # 5051121

Sample Line

Item	DG9H	AG1U	WGFU	R 4 / 6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1	3								/	/			
2	3												
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes

DG9H	40mL HCL amber voa vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCl amber glass	BP1S	1 liter H ₂ SO ₄ plastic	DG9S	40mL H ₂ SO ₄ amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H ₂ SO ₄ amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	JG FU	WiperSwab
BP2U	500mL unpreserved plastic	AG2S	500mL H ₂ SO ₄ amber glass	BP2O	500mL NaOH plastic	JG FU	4oz unpreserved amber wide
BP2S	500mL H ₂ SO ₄ plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCl clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCl clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio, clear vial
BP3S	250mL H ₂ SO ₄ plastic	BG1S	1 liter H ₂ SO ₄ clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H ₂ SO ₄ glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCl
AG1S	1 liter H ₂ SO ₄ amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/heptane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

August 12, 2011

Ms. Sarah Webb
Mundell & Associates
110 South Downey Ave.
Indianapolis, IN 46219

RE: Project: Michigan Plaza M01046
Pace Project No.: 5051124

Dear Ms. Webb:

Enclosed are the analytical results for sample(s) received by the laboratory on July 29, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tina Sayer

tina.sayer@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

CERTIFICATIONS

Project: Michigan Plaza M01046
Pace Project No.: 5051124

Indiana Certification IDs

7726 Moller Road, Indianapolis, IN 46268
Illinois/NELAC Certification #: 100418
Indiana Certification #: C-49-06
Kansas Certification #: E-10247

Kentucky Certification #: 0042
Louisiana Certification #: 04076
Ohio VAP: CL0065
West Virginia Certification #: 330

Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219
A2LA Certification #: 2456.01
Arkansas Certification #: 05-008-0
Illinois Certification #: 001191
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055
Nevada Certification #: KS000212008A
Oklahoma Certification #: 9205/9935
Texas Certification #: T104704407-08-TX
Utah Certification #: 9135995665

REPORT OF LABORATORY ANALYSIS

Page 2 of 24

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: Michigan Plaza M01046
Pace Project No.: 5051124

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5051124001	MMW-P-07	Water	07/28/11 09:39	07/29/11 07:49
5051124002	MMW-P-01	Water	07/28/11 10:14	07/29/11 07:49
5051124003	MMW-P-06	Water	07/28/11 10:45	07/29/11 07:49
5051124004	MMW-P-04	Water	07/28/11 11:24	07/29/11 07:49
5051124005	MW-168D	Water	07/28/11 12:20	07/29/11 07:49
5051124006	MMW-1S	Water	07/28/11 13:08	07/29/11 07:49
5051124007	MMW-8S	Water	07/28/11 13:39	07/29/11 07:49
5051124008	Dup-2	Water	07/28/11 08:00	07/29/11 07:49
5051124009	EQ Blank 1	Water	07/28/11 11:40	07/29/11 07:49
5051124010	EQ Blank 2	Water	07/28/11 12:40	07/29/11 07:49
5051124011	Trip Blank	Water	07/28/11 08:00	07/29/11 07:49

REPORT OF LABORATORY ANALYSIS

Page 3 of 24

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE ANALYTE COUNT

Project: Michigan Plaza M01046
Pace Project No.: 5051124

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5051124001	MMW-P-07	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051124002	MMW-P-01	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051124003	MMW-P-06	EPA 8260	GRM	20	PASI-I
5051124004	MMW-P-04	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051124005	MW-168D	EPA 8260	GRM	20	PASI-I
5051124006	MMW-1S	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051124007	MMW-8S	EPA 8260	GRM	20	PASI-I
		EPA 353.2	ILP	2	PASI-I
		SM 5310C	CMG	1	PASI-K
		ASTM D516-90,02	JTP	1	PASI-I
5051124008	Dup-2	EPA 8260	GRM	20	PASI-I
5051124009	EQ Blank 1	EPA 8260	GRM	20	PASI-I
5051124010	EQ Blank 2	EPA 8260	GRM	20	PASI-I
5051124011	Trip Blank	EPA 8260	GRM	20	PASI-I

REPORT OF LABORATORY ANALYSIS

Page 4 of 24

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: MMW-P-07	Lab ID: 5051124001	Collected: 07/28/11 09:39	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/30/11 06:14	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/30/11 06:14	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/30/11 06:14	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/30/11 06:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/30/11 06:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/30/11 06:14	75-35-4	
cis-1,2-Dichloroethene	73.6	ug/L	5.0	1		07/30/11 06:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/30/11 06:14	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/30/11 06:14	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/30/11 06:14	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/30/11 06:14	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		07/30/11 06:14	127-18-4	
Toluene	ND	ug/L	5.0	1		07/30/11 06:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/30/11 06:14	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		07/30/11 06:14	79-01-6	
Vinyl chloride	978	ug/L	20.0	10		07/30/11 06:48	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/30/11 06:14	1330-20-7	
Dibromofluoromethane (S)	105 %		83-123	1		07/30/11 06:14	1868-53-7	
4-Bromofluorobenzene (S)	96 %		72-125	1		07/30/11 06:14	460-00-4	
Toluene-d8 (S)	96 %		81-114	1		07/30/11 06:14	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 16:46		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 16:46		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	4.0	mg/L	2.0	1		08/10/11 16:04	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	33.1	mg/L	25.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: MMW-P-01	Lab ID: 5051124002	Collected: 07/28/11 10:14	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		07/30/11 07:21	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		07/30/11 07:21	56-23-5	
Chloroform	ND	ug/L	5.0	1		07/30/11 07:21	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		07/30/11 07:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		07/30/11 07:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		07/30/11 07:21	75-35-4	
cis-1,2-Dichloroethene	734	ug/L	50.0	10		07/30/11 07:55	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		07/30/11 07:21	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		07/30/11 07:21	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		07/30/11 07:21	75-09-2	
Naphthalene	ND	ug/L	5.0	1		07/30/11 07:21	91-20-3	
Tetrachloroethene	5.7	ug/L	5.0	1		07/30/11 07:21	127-18-4	
Toluene	ND	ug/L	5.0	1		07/30/11 07:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		07/30/11 07:21	71-55-6	
Trichloroethene	6.0	ug/L	5.0	1		07/30/11 07:21	79-01-6	
Vinyl chloride	1070	ug/L	20.0	10		07/30/11 07:55	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		07/30/11 07:21	1330-20-7	
Dibromofluoromethane (S)	101	%	83-123	1		07/30/11 07:21	1868-53-7	
4-Bromofluorobenzene (S)	90	%	72-125	1		07/30/11 07:21	460-00-4	
Toluene-d8 (S)	92	%	81-114	1		07/30/11 07:21	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 16:49		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 16:49		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	3.4	mg/L	1.0	1		08/10/11 16:32	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	145	mg/L	50.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: MMW-P-06	Lab ID: 5051124003	Collected: 07/28/11 10:45	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	50.0	10		07/30/11 08:28	71-43-2	1d,D4
Carbon tetrachloride	ND	ug/L	50.0	10		07/30/11 08:28	56-23-5	
Chloroform	ND	ug/L	50.0	10		07/30/11 08:28	67-66-3	
1,1-Dichloroethane	ND	ug/L	50.0	10		07/30/11 08:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	50.0	10		07/30/11 08:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	50.0	10		07/30/11 08:28	75-35-4	
cis-1,2-Dichloroethene	1670	ug/L	50.0	10		07/30/11 08:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	50.0	10		07/30/11 08:28	156-60-5	
Ethylbenzene	ND	ug/L	50.0	10		07/30/11 08:28	100-41-4	
Methylene chloride	ND	ug/L	50.0	10		07/30/11 08:28	75-09-2	
Naphthalene	ND	ug/L	50.0	10		07/30/11 08:28	91-20-3	
Tetrachloroethene	ND	ug/L	50.0	10		07/30/11 08:28	127-18-4	
Toluene	ND	ug/L	50.0	10		07/30/11 08:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	50.0	10		07/30/11 08:28	71-55-6	
Trichloroethene	ND	ug/L	50.0	10		07/30/11 08:28	79-01-6	
Vinyl chloride	15600	ug/L	200	100		07/30/11 09:02	75-01-4	
Xylene (Total)	ND	ug/L	100	10		07/30/11 08:28	1330-20-7	
Dibromofluoromethane (S)	101 %		83-123	10		07/30/11 08:28	1868-53-7	
4-Bromofluorobenzene (S)	92 %		72-125	10		07/30/11 08:28	460-00-4	
Toluene-d8 (S)	95 %		81-114	10		07/30/11 08:28	2037-26-5	

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: MMW-P-04	Lab ID: 5051124004	Collected: 07/28/11 11:24	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND ug/L		5.0	1		07/30/11 09:35	71-43-2	
Carbon tetrachloride	ND ug/L		5.0	1		07/30/11 09:35	56-23-5	
Chloroform	ND ug/L		5.0	1		07/30/11 09:35	67-66-3	
1,1-Dichloroethane	ND ug/L		5.0	1		07/30/11 09:35	75-34-3	
1,2-Dichloroethane	ND ug/L		5.0	1		07/30/11 09:35	107-06-2	
1,1-Dichloroethene	ND ug/L		5.0	1		07/30/11 09:35	75-35-4	
cis-1,2-Dichloroethene	30.6 ug/L		5.0	1		07/30/11 09:35	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		5.0	1		07/30/11 09:35	156-60-5	
Ethylbenzene	ND ug/L		5.0	1		07/30/11 09:35	100-41-4	
Methylene chloride	ND ug/L		5.0	1		07/30/11 09:35	75-09-2	
Naphthalene	ND ug/L		5.0	1		07/30/11 09:35	91-20-3	
Tetrachloroethene	ND ug/L		5.0	1		07/30/11 09:35	127-18-4	
Toluene	ND ug/L		5.0	1		07/30/11 09:35	108-88-3	
1,1,1-Trichloroethane	ND ug/L		5.0	1		07/30/11 09:35	71-55-6	
Trichloroethene	ND ug/L		5.0	1		07/30/11 09:35	79-01-6	
Vinyl chloride	78.8 ug/L		2.0	1		07/30/11 09:35	75-01-4	
Xylene (Total)	ND ug/L		10.0	1		07/30/11 09:35	1330-20-7	
Dibromofluoromethane (S)	104 %		83-123	1		07/30/11 09:35	1868-53-7	
4-Bromofluorobenzene (S)	95 %		72-125	1		07/30/11 09:35	460-00-4	
Toluene-d8 (S)	96 %		81-114	1		07/30/11 09:35	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND mg/L		0.10	1		07/29/11 16:50		
Nitrogen, Nitrite	ND mg/L		0.10	1		07/29/11 16:50		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	18.1 mg/L		2.0	1		08/10/11 16:46	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	ND mg/L		5.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: MW-168D	Lab ID: 5051124005	Collected: 07/28/11 12:20	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 04:26	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 04:26	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 04:26	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 04:26	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 04:26	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 04:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 04:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 04:26	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 04:26	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 04:26	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 04:26	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 04:26	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 04:26	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 04:26	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 04:26	79-01-6	
Vinyl chloride	228	ug/L	2.0	1		08/02/11 04:26	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 04:26	1330-20-7	
Dibromofluoromethane (S)	98 %		83-123	1		08/02/11 04:26	1868-53-7	
4-Bromofluorobenzene (S)	94 %		72-125	1		08/02/11 04:26	460-00-4	
Toluene-d8 (S)	98 %		81-114	1		08/02/11 04:26	2037-26-5	

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: MMW-1S	Lab ID: 5051124006	Collected: 07/28/11 13:08	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 05:00	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 05:00	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 05:00	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 05:00	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 05:00	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 05:00	75-35-4	
cis-1,2-Dichloroethene	8.1	ug/L	5.0	1		08/02/11 05:00	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 05:00	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 05:00	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 05:00	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 05:00	91-20-3	
Tetrachloroethene	334	ug/L	50.0	10		08/02/11 05:33	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 05:00	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 05:00	71-55-6	
Trichloroethene	20.3	ug/L	5.0	1		08/02/11 05:00	79-01-6	
Vinyl chloride	2.1	ug/L	2.0	1		08/02/11 05:00	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 05:00	1330-20-7	
Dibromofluoromethane (S)	94 %		83-123	1		08/02/11 05:00	1868-53-7	
4-Bromofluorobenzene (S)	99 %		72-125	1		08/02/11 05:00	460-00-4	
Toluene-d8 (S)	99 %		81-114	1		08/02/11 05:00	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 16:51		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 16:51		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	3.1	mg/L	1.0	1		08/10/11 17:00	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	96.0	mg/L	25.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: MMW-8S	Lab ID: 5051124007	Collected: 07/28/11 13:39	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 06:07	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 06:07	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 06:07	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 06:07	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 06:07	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 06:07	75-35-4	
cis-1,2-Dichloroethene	29.0	ug/L	5.0	1		08/02/11 06:07	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 06:07	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 06:07	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 06:07	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 06:07	91-20-3	
Tetrachloroethene	19.4	ug/L	5.0	1		08/02/11 06:07	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 06:07	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 06:07	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 06:07	79-01-6	
Vinyl chloride	130	ug/L	2.0	1		08/02/11 06:07	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 06:07	1330-20-7	
Dibromofluoromethane (S)	99 %		83-123	1		08/02/11 06:07	1868-53-7	
4-Bromofluorobenzene (S)	96 %		72-125	1		08/02/11 06:07	460-00-4	
Toluene-d8 (S)	97 %		81-114	1		08/02/11 06:07	2037-26-5	
353.2 Nitrogen, NO₂/NO₃ unpres	Analytical Method: EPA 353.2							
Nitrogen, Nitrate	ND	mg/L	0.10	1		07/29/11 16:56		
Nitrogen, Nitrite	ND	mg/L	0.10	1		07/29/11 16:56		
5310C TOC	Analytical Method: SM 5310C							
Total Organic Carbon	1.1	mg/L	1.0	1		08/10/11 17:14	7440-44-0	
ASTM D516-9002 Sulfate Water	Analytical Method: ASTM D516-90,02							
Sulfate	227	mg/L	50.0	1		07/29/11 14:15	14808-79-8	N2

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: Dup-2	Lab ID: 5051124008	Collected: 07/28/11 08:00	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 07:14	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 07:14	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 07:14	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 07:14	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 07:14	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 07:14	75-35-4	
cis-1,2-Dichloroethene	1780	ug/L	50.0	10		08/02/11 07:47	156-59-2	
trans-1,2-Dichloroethene	15.1	ug/L	5.0	1		08/02/11 07:14	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 07:14	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 07:14	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 07:14	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 07:14	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 07:14	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 07:14	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 07:14	79-01-6	
Vinyl chloride	11800	ug/L	200	100		08/02/11 17:26	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 07:14	1330-20-7	
Dibromofluoromethane (S)	106 %		83-123	1		08/02/11 07:14	1868-53-7	
4-Bromofluorobenzene (S)	98 %		72-125	1		08/02/11 07:14	460-00-4	
Toluene-d8 (S)	99 %		81-114	1		08/02/11 07:14	2037-26-5	

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: EQ Blank 1	Lab ID: 5051124009	Collected: 07/28/11 11:40	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 08:21	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 08:21	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 08:21	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 08:21	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 08:21	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 08:21	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 08:21	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 08:21	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 08:21	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 08:21	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 08:21	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 08:21	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 08:21	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 08:21	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 08:21	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		08/02/11 08:21	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 08:21	1330-20-7	
Dibromofluoromethane (S)	101 %		83-123	1		08/02/11 08:21	1868-53-7	
4-Bromofluorobenzene (S)	97 %		72-125	1		08/02/11 08:21	460-00-4	
Toluene-d8 (S)	98 %		81-114	1		08/02/11 08:21	2037-26-5	

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: EQ Blank 2	Lab ID: 5051124010	Collected: 07/28/11 12:40	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 08:54	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 08:54	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 08:54	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 08:54	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 08:54	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 08:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 08:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 08:54	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 08:54	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 08:54	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 08:54	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 08:54	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 08:54	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 08:54	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 08:54	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		08/02/11 08:54	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 08:54	1330-20-7	
Dibromofluoromethane (S)	98 %		83-123	1		08/02/11 08:54	1868-53-7	
4-Bromofluorobenzene (S)	99 %		72-125	1		08/02/11 08:54	460-00-4	
Toluene-d8 (S)	99 %		81-114	1		08/02/11 08:54	2037-26-5	

ANALYTICAL RESULTS

Project: Michigan Plaza M01046

Pace Project No.: 5051124

Sample: Trip Blank	Lab ID: 5051124011	Collected: 07/28/11 08:00	Received: 07/29/11 07:49	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		08/02/11 09:28	71-43-2	
Carbon tetrachloride	ND	ug/L	5.0	1		08/02/11 09:28	56-23-5	
Chloroform	ND	ug/L	5.0	1		08/02/11 09:28	67-66-3	
1,1-Dichloroethane	ND	ug/L	5.0	1		08/02/11 09:28	75-34-3	
1,2-Dichloroethane	ND	ug/L	5.0	1		08/02/11 09:28	107-06-2	
1,1-Dichloroethene	ND	ug/L	5.0	1		08/02/11 09:28	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 09:28	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	5.0	1		08/02/11 09:28	156-60-5	
Ethylbenzene	ND	ug/L	5.0	1		08/02/11 09:28	100-41-4	
Methylene chloride	ND	ug/L	5.0	1		08/02/11 09:28	75-09-2	
Naphthalene	ND	ug/L	5.0	1		08/02/11 09:28	91-20-3	
Tetrachloroethene	ND	ug/L	5.0	1		08/02/11 09:28	127-18-4	
Toluene	ND	ug/L	5.0	1		08/02/11 09:28	108-88-3	
1,1,1-Trichloroethane	ND	ug/L	5.0	1		08/02/11 09:28	71-55-6	
Trichloroethene	ND	ug/L	5.0	1		08/02/11 09:28	79-01-6	
Vinyl chloride	ND	ug/L	2.0	1		08/02/11 09:28	75-01-4	
Xylene (Total)	ND	ug/L	10.0	1		08/02/11 09:28	1330-20-7	
Dibromofluoromethane (S)	99 %		83-123	1		08/02/11 09:28	1868-53-7	
4-Bromofluorobenzene (S)	99 %		72-125	1		08/02/11 09:28	460-00-4	
Toluene-d8 (S)	102 %		81-114	1		08/02/11 09:28	2037-26-5	

QUALITY CONTROL DATA

Project: Michigan Plaza M01046

Pace Project No.: 5051124

QC Batch: MSV/34607 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Associated Lab Samples: 5051124001, 5051124002, 5051124003, 5051124004

METHOD BLANK: 604482 Matrix: Water

Associated Lab Samples: 5051124001, 5051124002, 5051124003, 5051124004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	5.0	07/30/11 00:40	
1,1-Dichloroethane	ug/L	ND	5.0	07/30/11 00:40	
1,1-Dichloroethene	ug/L	ND	5.0	07/30/11 00:40	
1,2-Dichloroethane	ug/L	ND	5.0	07/30/11 00:40	
Benzene	ug/L	ND	5.0	07/30/11 00:40	
Carbon tetrachloride	ug/L	ND	5.0	07/30/11 00:40	
Chloroform	ug/L	ND	5.0	07/30/11 00:40	
cis-1,2-Dichloroethene	ug/L	ND	5.0	07/30/11 00:40	
Ethylbenzene	ug/L	ND	5.0	07/30/11 00:40	
Methylene chloride	ug/L	ND	5.0	07/30/11 00:40	
Naphthalene	ug/L	ND	5.0	07/30/11 00:40	
Tetrachloroethene	ug/L	ND	5.0	07/30/11 00:40	
Toluene	ug/L	ND	5.0	07/30/11 00:40	
trans-1,2-Dichloroethene	ug/L	ND	5.0	07/30/11 00:40	
Trichloroethene	ug/L	ND	5.0	07/30/11 00:40	
Vinyl chloride	ug/L	ND	2.0	07/30/11 00:40	
Xylene (Total)	ug/L	ND	10.0	07/30/11 00:40	
4-Bromofluorobenzene (S)	%	100	72-125	07/30/11 00:40	
Dibromofluoromethane (S)	%	101	83-123	07/30/11 00:40	
Toluene-d8 (S)	%	95	81-114	07/30/11 00:40	

LABORATORY CONTROL SAMPLE: 604483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	43.9	88	69-126	
1,1-Dichloroethane	ug/L	50	40.8	82	70-127	
1,1-Dichloroethene	ug/L	50	50.5	101	75-145	
1,2-Dichloroethane	ug/L	50	42.8	86	71-127	
Benzene	ug/L	50	48.8	98	76-123	
Carbon tetrachloride	ug/L	50	46.0	92	65-125	
Chloroform	ug/L	50	41.9	84	73-122	
cis-1,2-Dichloroethene	ug/L	50	49.2	98	79-129	
Ethylbenzene	ug/L	50	51.0	102	75-120	
Methylene chloride	ug/L	50	51.7	103	61-138	
Naphthalene	ug/L	50	34.0	68	62-130	
Tetrachloroethene	ug/L	50	42.4	85	57-125	
Toluene	ug/L	50	50.6	101	72-124	
trans-1,2-Dichloroethene	ug/L	50	54.4	109	71-145	
Trichloroethene	ug/L	50	46.9	94	77-122	
Vinyl chloride	ug/L	50	46.8	94	61-146	
Xylene (Total)	ug/L	150	157	104	72-126	

Date: 08/12/2011 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 16 of 24

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Michigan Plaza M01046

Pace Project No.: 5051124

LABORATORY CONTROL SAMPLE: 604483

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			95	72-125	
Dibromofluoromethane (S)	%			95	83-123	
Toluene-d8 (S)	%			97	81-114	

QUALITY CONTROL DATA

Project: Michigan Plaza M01046

Pace Project No.: 5051124

QC Batch: MSV/34644 Analysis Method: EPA 8260

QC Batch Method: EPA 8260 Analysis Description: 8260 MSV

Associated Lab Samples: 5051124005, 5051124006, 5051124007, 5051124008, 5051124009, 5051124010, 5051124011

METHOD BLANK: 604833 Matrix: Water

Associated Lab Samples: 5051124005, 5051124006, 5051124007, 5051124008, 5051124009, 5051124010, 5051124011

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
1,1,1-Trichloroethane	ug/L	ND	5.0	08/02/11 02:13	
1,1-Dichloroethane	ug/L	ND	5.0	08/02/11 02:13	
1,1-Dichloroethene	ug/L	ND	5.0	08/02/11 02:13	
1,2-Dichloroethane	ug/L	ND	5.0	08/02/11 02:13	
Benzene	ug/L	ND	5.0	08/02/11 02:13	
Carbon tetrachloride	ug/L	ND	5.0	08/02/11 02:13	
Chloroform	ug/L	ND	5.0	08/02/11 02:13	
cis-1,2-Dichloroethene	ug/L	ND	5.0	08/02/11 02:13	
Ethylbenzene	ug/L	ND	5.0	08/02/11 02:13	
Methylene chloride	ug/L	ND	5.0	08/02/11 02:13	
Naphthalene	ug/L	ND	5.0	08/02/11 02:13	
Tetrachloroethene	ug/L	ND	5.0	08/02/11 02:13	
Toluene	ug/L	ND	5.0	08/02/11 02:13	
trans-1,2-Dichloroethene	ug/L	ND	5.0	08/02/11 02:13	
Trichloroethene	ug/L	ND	5.0	08/02/11 02:13	
Vinyl chloride	ug/L	ND	2.0	08/02/11 02:13	
Xylene (Total)	ug/L	ND	10.0	08/02/11 02:13	
4-Bromofluorobenzene (S)	%	98	72-125	08/02/11 02:13	
Dibromofluoromethane (S)	%	95	83-123	08/02/11 02:13	
Toluene-d8 (S)	%	100	81-114	08/02/11 02:13	

LABORATORY CONTROL SAMPLE: 604834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	49.8	100	69-126	
1,1-Dichloroethane	ug/L	50	49.4	99	70-127	
1,1-Dichloroethene	ug/L	50	53.0	106	75-145	
1,2-Dichloroethane	ug/L	50	50.4	101	71-127	
Benzene	ug/L	50	49.9	100	76-123	
Carbon tetrachloride	ug/L	50	47.4	95	65-125	
Chloroform	ug/L	50	51.6	103	73-122	
cis-1,2-Dichloroethene	ug/L	50	51.8	104	79-129	
Ethylbenzene	ug/L	50	52.6	105	75-120	
Methylene chloride	ug/L	50	47.0	94	61-138	
Naphthalene	ug/L	50	45.7	91	62-130	
Tetrachloroethene	ug/L	50	52.5	105	57-125	
Toluene	ug/L	50	50.9	102	72-124	
trans-1,2-Dichloroethene	ug/L	50	52.7	105	71-145	
Trichloroethene	ug/L	50	52.0	104	77-122	
Vinyl chloride	ug/L	50	50.3	101	61-146	
Xylene (Total)	ug/L	150	158	105	72-126	

Date: 08/12/2011 05:14 PM

REPORT OF LABORATORY ANALYSIS

Page 18 of 24

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

QUALITY CONTROL DATA

Project: Michigan Plaza M01046

Pace Project No.: 5051124

LABORATORY CONTROL SAMPLE: 604834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
4-Bromofluorobenzene (S)	%			99	72-125	
Dibromofluoromethane (S)	%			97	83-123	
Toluene-d8 (S)	%			99	81-114	

MATRIX SPIKE SAMPLE: 604835

Parameter	Units	5051124007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	ND	50	38.3	77	37-136	
1,1-Dichloroethane	ug/L	ND	50	35.8	72	47-138	
1,1-Dichloroethene	ug/L	ND	50	41.5	83	54-152	
1,2-Dichloroethane	ug/L	ND	50	38.4	77	42-139	
Benzene	ug/L	ND	50	38.1	76	52-134	
Carbon tetrachloride	ug/L	ND	50	35.7	71	26-136	
Chloroform	ug/L	ND	50	38.9	78	50-134	
cis-1,2-Dichloroethene	ug/L	29.0	50	66.8	76	48-145	
Ethylbenzene	ug/L	ND	50	39.7	79	29-132	
Methylene chloride	ug/L	ND	50	34.7	69	47-141	
Naphthalene	ug/L	ND	50	31.8	64	40-124	
Tetrachloroethene	ug/L	19.4	50	60.1	81	30-124	
Toluene	ug/L	ND	50	37.6	75	42-130	
trans-1,2-Dichloroethene	ug/L	ND	50	41.3	83	48-144	
Trichloroethene	ug/L	ND	50	40.4	77	44-130	
Vinyl chloride	ug/L	130	50	165	68	45-159	
Xylene (Total)	ug/L	ND	150	117	78	29-131	
4-Bromofluorobenzene (S)	%				100	72-125	
Dibromofluoromethane (S)	%				97	83-123	
Toluene-d8 (S)	%				98	81-114	

QUALITY CONTROL DATA

Project: Michigan Plaza M01046

Pace Project No.: 5051124

QC Batch: WETA/6668 Analysis Method: EPA 353.2

QC Batch Method: EPA 353.2 Analysis Description: 353.2 Nitrate + Nitrite, Unpres.

Associated Lab Samples: 5051124001, 5051124002, 5051124004, 5051124006, 5051124007

METHOD BLANK: 603897 Matrix: Water

Associated Lab Samples: 5051124001, 5051124002, 5051124004, 5051124006, 5051124007

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
Nitrogen, Nitrate	mg/L	ND	0.10	07/29/11 16:42	
Nitrogen, Nitrite	mg/L	ND	0.10	07/29/11 16:42	

LABORATORY CONTROL SAMPLE: 603898

Parameter	Units	Spike	LCS	LCS	% Rec	Qualifiers
		Conc.	Result	% Rec	Limits	
Nitrogen, Nitrate	mg/L	2	2.1	103	90-110	
Nitrogen, Nitrite	mg/L	2	2.2	109	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 603899 603900

Parameter	Units	5051124001	MS	MSD	MS	MSD	% Rec	MSD	% Rec	% Rec	RPD	RPD	Max
		Result	Spike	Spike									
Nitrogen, Nitrate	mg/L	ND	2	2	2.1	2.1	100	100	100	90-110	.6	20	
Nitrogen, Nitrite	mg/L	ND	2	2	2.2	2.2	106	106	105	90-110	.3	20	

QUALITY CONTROL DATA

Project: Michigan Plaza M01046
Pace Project No.: 5051124

QC Batch:	WETA/17225	Analysis Method:	SM 5310C
QC Batch Method:	SM 5310C	Analysis Description:	5310C Total Organic Carbon
Associated Lab Samples:	5051124001, 5051124002, 5051124004, 5051124006, 5051124007		

METHOD BLANK:	857151	Matrix:	Water
---------------	--------	---------	-------

Associated Lab Samples: 5051124001, 5051124002, 5051124004, 5051124006, 5051124007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	ND	1.0	08/10/11 15:21	

LABORATORY CONTROL SAMPLE: 857152

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	5	5.1	102	80-120	

MATRIX SPIKE SAMPLE: 857154

Parameter	Units	5051121001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.7	5	8.0	124	80-120	M0

SAMPLE DUPLICATE: 857153

Parameter	Units	5051124001 Result	Dup Result	RPD	Max RPD	Qualifiers
Total Organic Carbon	mg/L	4.0	4.0	0	25	

QUALITY CONTROL DATA

Project: Michigan Plaza M01046

Pace Project No.: 5051124

QC Batch: WETA/6664 Analysis Method: ASTM D516-90,02

QC Batch Method: ASTM D516-90,02 Analysis Description: ASTM D516-9002 Sulfate Water

Associated Lab Samples: 5051124001, 5051124002, 5051124004, 5051124006, 5051124007

METHOD BLANK: 603624 Matrix: Water

Associated Lab Samples: 5051124001, 5051124002, 5051124004, 5051124006, 5051124007

Parameter	Units	Blank	Reporting	Analyzed	Qualifiers
		Result	Limit		
Sulfate	mg/L	ND	5.0	07/29/11 14:15	N2

LABORATORY CONTROL SAMPLE: 603625

Parameter	Units	Spike	LCS	LCS	% Rec	Qualifiers
		Conc.	Result	% Rec	Limits	
Sulfate	mg/L	20	21.5	108	90-110	N2

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 603626 603627

Parameter	Units	5051121001	MS	MSD	MS	MSD	MS	MSD	% Rec	Max	RPD	RPD	Qual
		Result	Spike	Spike									
Sulfate	mg/L	217	500	500	767	756	110	108	90-110	1	20	N2	

MATRIX SPIKE SAMPLE: 603628

Parameter	Units	5051124001	Spike	MS	MS	MS	MSD	MS	% Rec	Max	RPD	RPD	Qual
		Result	Conc.	Result	% Rec								
Sulfate	mg/L	33.1	100	164	131	90-110	M0,N2						

QUALIFIERS

Project: Michigan Plaza M01046
Pace Project No.: 5051124

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-I Pace Analytical Services - Indianapolis

PASI-K Pace Analytical Services - Kansas City

ANALYTE QUALIFIERS

1d Benzene ND at an estimated RL of 5 ug/L based on the MDL. grm 8-1-11

D4 Sample was diluted due to the presence of high levels of target analytes.

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

N2 The lab does not hold TNI accreditation for this parameter.

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Michigan Plaza M01046
Pace Project No.: 5051124

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5051124001	MMW-P-07	EPA 8260	MSV/34607		
5051124002	MMW-P-01	EPA 8260	MSV/34607		
5051124003	MMW-P-06	EPA 8260	MSV/34607		
5051124004	MMW-P-04	EPA 8260	MSV/34607		
5051124005	MW-168D	EPA 8260	MSV/34644		
5051124006	MMW-1S	EPA 8260	MSV/34644		
5051124007	MMW-8S	EPA 8260	MSV/34644		
5051124008	Dup-2	EPA 8260	MSV/34644		
5051124009	EQ Blank 1	EPA 8260	MSV/34644		
5051124010	EQ Blank 2	EPA 8260	MSV/34644		
5051124011	Trip Blank	EPA 8260	MSV/34644		
5051124001	MMW-P-07	EPA 353.2	WETA/6668		
5051124002	MMW-P-01	EPA 353.2	WETA/6668		
5051124004	MMW-P-04	EPA 353.2	WETA/6668		
5051124006	MMW-1S	EPA 353.2	WETA/6668		
5051124007	MMW-8S	EPA 353.2	WETA/6668		
5051124001	MMW-P-07	SM 5310C	WETA/17225		
5051124002	MMW-P-01	SM 5310C	WETA/17225		
5051124004	MMW-P-04	SM 5310C	WETA/17225		
5051124006	MMW-1S	SM 5310C	WETA/17225		
5051124007	MMW-8S	SM 5310C	WETA/17225		
5051124001	MMW-P-07	ASTM D516-90,02	WETA/6664		
5051124002	MMW-P-01	ASTM D516-90,02	WETA/6664		
5051124004	MMW-P-04	ASTM D516-90,02	WETA/6664		
5051124006	MMW-1S	ASTM D516-90,02	WETA/6664		
5051124007	MMW-8S	ASTM D516-90,02	WETA/6664		

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:																																																																																				
Company: Mandell & Associates	Report To: Sarah Welsh	Attention: Merle Schibbe	Company Name: Mandell	Address: 110 S. Dewey Ave	REGULATORY AGENCY																																																																																			
Address: Tadpoles, Inc #6219	Copy To: 	Purchase Order No.: 	NPDES <input type="checkbox"/>	GROUND WATER <input type="checkbox"/>	DRINKING WATER <input type="checkbox"/>																																																																																			
Email: 110_s_dewey@tadpoles.com	Project Name: Michigan Plaza	Reference: 	UST <input type="checkbox"/>	RCCRA <input type="checkbox"/>	OTHER <input type="checkbox"/>																																																																																			
Phone: 317-430-9060	Project Number: MDL	Pace Project Manager: 	Site Location STATE: 																																																																																					
Requested Due Date/TAT: Sept 18	Pace Profile #: 	Residual Chlorine (Y/N)																																																																																						
Section D Required Client Information																																																																																								
<table border="1"> <thead> <tr> <th rowspan="2">SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE</th> <th rowspan="2">ITEM #</th> <th colspan="2">COLLECTED</th> <th colspan="2">PRESERVATIVES</th> </tr> <tr> <th>MATRIX CODES MATRIX / CODE</th> <th>COMPOSITE START</th> <th>COMPOSITE END/GRAB</th> <th>Preservatives</th> <th></th> </tr> </thead> <tbody> <tr> <td>MMW-P-07</td> <td>WT</td> <td>7/28/11 0:39A</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MMW-P-01</td> <td>WT</td> <td>7/28/11 10:14A</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MMW-P-06</td> <td>WT</td> <td>7/28/11 10:45A</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MMW-P-04</td> <td>P</td> <td>7/28/11 11:24A</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MW-1687</td> <td>SL</td> <td>7/28/11 12:20P</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MMW-15</td> <td>OL</td> <td>7/28/11 1:08P</td> <td></td> <td></td> <td></td> </tr> <tr> <td>MMW-83</td> <td>WP</td> <td>7/28/11 1:39P</td> <td></td> <td></td> <td></td> </tr> <tr> <td>DUP-2</td> <td>AR</td> <td>7/28/11 2:13P</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EQ Blank 1</td> <td>TS</td> <td>7/28/11 11:46P</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EQ Blank 2</td> <td>OT</td> <td>7/28/11 12:40P</td> <td></td> <td></td> <td></td> </tr> <tr> <td>7.1.1 Blank</td> <td>Other</td> <td>7/28/11 1:05A</td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2"></td> <td>DATE</td> <td>TIME</td> <td>DATE</td> <td>TIME</td> </tr> </tbody> </table>						SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	ITEM #	COLLECTED		PRESERVATIVES		MATRIX CODES MATRIX / CODE	COMPOSITE START	COMPOSITE END/GRAB	Preservatives		MMW-P-07	WT	7/28/11 0:39A				MMW-P-01	WT	7/28/11 10:14A				MMW-P-06	WT	7/28/11 10:45A				MMW-P-04	P	7/28/11 11:24A				MW-1687	SL	7/28/11 12:20P				MMW-15	OL	7/28/11 1:08P				MMW-83	WP	7/28/11 1:39P				DUP-2	AR	7/28/11 2:13P				EQ Blank 1	TS	7/28/11 11:46P				EQ Blank 2	OT	7/28/11 12:40P				7.1.1 Blank	Other	7/28/11 1:05A						DATE	TIME	DATE	TIME
SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	ITEM #	COLLECTED		PRESERVATIVES																																																																																				
		MATRIX CODES MATRIX / CODE	COMPOSITE START	COMPOSITE END/GRAB	Preservatives																																																																																			
MMW-P-07	WT	7/28/11 0:39A																																																																																						
MMW-P-01	WT	7/28/11 10:14A																																																																																						
MMW-P-06	WT	7/28/11 10:45A																																																																																						
MMW-P-04	P	7/28/11 11:24A																																																																																						
MW-1687	SL	7/28/11 12:20P																																																																																						
MMW-15	OL	7/28/11 1:08P																																																																																						
MMW-83	WP	7/28/11 1:39P																																																																																						
DUP-2	AR	7/28/11 2:13P																																																																																						
EQ Blank 1	TS	7/28/11 11:46P																																																																																						
EQ Blank 2	OT	7/28/11 12:40P																																																																																						
7.1.1 Blank	Other	7/28/11 1:05A																																																																																						
		DATE	TIME	DATE	TIME																																																																																			
SAMPLE TYPE (G=GRAB C=COMP) # OF CONTAINERS																																																																																								
SAMPLE TEMP AT COLLECTION																																																																																								
ANALYSIS TEST Y/N																																																																																								
505/124																																																																																								
TDC 4/15.1																																																																																								
Sulfate 375.4																																																																																								
Alkalinity 353.2																																																																																								
TDS/LSS/LSC 582.6																																																																																								
Pace Project No./Lab I.D.																																																																																								
-001																																																																																								
-002																																																																																								
-003																																																																																								
-004																																																																																								
-005																																																																																								
-006																																																																																								
-007																																																																																								
-008																																																																																								
-009																																																																																								
-010																																																																																								
-011																																																																																								
ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS																																																																																			
		James Jones	7/29	7:49	2.7 Y N Y																																																																																			
SAMPLE NAME AND SIGNATURE		PRINT NAME OF SAMPLER:	DATE Signed	TIME																																																																																				
WT Client 7-29-11 0900 ORIGINAL		James Jones	7/28/11	7:40																																																																																				
RECEIVED ON DATE (Y/N)		DETAINED COOLER (Y/N)	SAMPLES INTACT (Y/N)																																																																																					

Sample Condition Upon Receipt



Client Name: Mundell

Project # 5051124

Courier: FedEx UPS USPS Client Commercial Pace Other _____
 Tracking #: _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Date/Time 5035A kits placed in freezer

Packing Material: Bubble Wrap Bubble Bags None Other foam

Thermometer Used 1 2 3 4 6 A B C D E Type of Ice: Wet Blue None Samples on ice, cooling process has begun

Cooler Temperature 2.7°C Ice Visible in Sample Containers: yes no

(Corrected, if applicable) Temp should be above freezing to 6°C Comments: _____ Date and Initials of person examining contents: Kee 7-29-11

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5. <u>Nitrates</u>
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	8. <u>mmw - P-04 has no date or time on Sample Container; Line 10 Sample container has no date or time</u>
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	9. (Circle) HNO ₃ H ₂ SO ₄ NaOH HCl (See below)
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	10.
Trip Blank Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	11.
Trip Blank Custody Seals Present	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Project Manager Review		
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	13.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution:

⑧ + is labeled "EQ 2" - same with line 9 (EQ1 no date or time)

Project Manager Review: J Dwyer

Date: 7/29/11

CLIENT: Mundell
 COC PAGE 1 of 1
 COC ID# 1469613

Sample Container Count

Project # 5051124

Pace Analytical™
 www.paceanalytical.com

Sample Line Item	DG9H	AG1U	WGFU	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H	Comments
1	3												
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													

Container Codes

DG9H	40mL HCl amber vial	AF	Air Filter	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCl amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WG FU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved amber vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	JGFU	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic		4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	BP3A	250mL NaOH, Asc Acid plastic	VG9H	40mL HCl clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCl clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved clear vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCl
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag



Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

August 16, 2011

Sarah Webb
Mundell & Associates, Inc.
110 South Downey Ave.
Indianapolis, IN 46219

RE: MI PLAZA / M01046

Microseeps Workorder: 2108

Dear Sarah Webb:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, August 03, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heather Hauser 8/17 (DH)

Heather Hauser 08/16/2011
hhauser@microseeps.com

Enclosures

Total Number of Pages 34

Report ID: 2108 - 93538

Page 1 of 32

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.



3004.1.0.0



Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories	
Accreditation ID:	02-00538	
Scope:	NELAP Non-Potable Water and Solid & Hazardous Waste	
Accreditor:	NELAP: State of Florida, Department of Health, Bureau of Laboratories	
Accreditation ID:	E87832	
Scope:	Clean Water Act (CWA)	Resource Conservation and Recovery Act (RCRA)
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification	
Accreditation ID:	89009003	
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)	
Accreditor:	NELAP: State of Louisiana, Department of Environmental Quality	
Accreditation ID:	04104	
Scope:	Solid and Chemical Materials; Non-Potable Water	
Accreditor:	NELAP: New Jersey, Department of Environmental Protection	
Accreditation ID:	PA026	
Scope:	Non-Potable Water; Solid and Chemical Materials	
Accreditor:	NELAP: New York, Department of Health Wadsworth Center	
Accreditation ID:	11815	
Scope:	Non-Potable Water; Solid and Hazardous Waste	
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health	
Accreditation ID:	PH-0263	
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)	
Accreditor:	NELAP: Texas, Commission on Environmental Quality	
Accreditation ID:	T104704453-09-TX	
Scope:	Non-Potable Water	
Accreditor:	State of New Hampshire	
Accreditation ID:	299409	
Scope:	Non-potable water	
Accreditor:	State of Georgia	
Accreditation ID:	Chapter 391-3-26	
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

SAMPLE SUMMARY

Workorder: 2108 MI PLAZA / M01046

Lab ID	Sample ID	Matrix	Date Collected	Date Received
21080001	MMW-9S	Water	7/27/2011 09:24	8/3/2011 10:04
21080002	MMW-9S MS	Water	7/27/2011 09:24	8/3/2011 10:04
21080003	MMW-9S MSD	Water	7/27/2011 09:24	8/3/2011 10:04
21080004	MMW-10S	Water	7/27/2011 10:02	8/3/2011 10:04
21080005	MMW-C-01	Water	7/27/2011 12:02	8/3/2011 10:04
21080006	MMW-P-02	Water	7/27/2011 12:44	8/3/2011 10:04
21080007	MMW-P-03D	Water	7/27/2011 13:19	8/3/2011 10:04
21080008	MMW-P-03S	Water	7/27/2011 13:49	8/3/2011 10:04
21080009	MMW-P-05	Water	7/27/2011 14:19	8/3/2011 10:04
21080010	MMW-P-10S	Water	7/27/2011 14:47	8/3/2011 10:04
21080011	MMW-P-10D	Water	7/27/2011 15:19	8/3/2011 10:04
21080012	MMW-P-08	Water	7/27/2011 15:47	8/3/2011 10:04
21080013	MMW-P-07	Water	7/28/2011 09:39	8/3/2011 10:04
21080014	MMW-P-01	Water	7/28/2011 10:14	8/3/2011 10:04
21080015	MMW-P-06	Water	7/28/2011 10:45	8/3/2011 10:04
21080016	MMW-P-04	Water	7/28/2011 11:24	8/3/2011 10:04
21080017	MMW-1S	Water	7/28/2011 13:08	8/3/2011 10:04
21080018	MMW-8S	Water	7/28/2011 13:39	8/3/2011 10:04
21080019	DUP 1	Water	7/28/2011 00:00	8/3/2011 10:04

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

PROJECT SUMMARY

Workorder: 2108 MI PLAZA / M01046

Batch Comments

Batch: DISG/1329 - AM20GAX Water QC

The matrix spike and/or matrix spike duplicate, recovery or relative percent difference; accuracy influenced by the concentration of the original sample. Analyte Methane. Batch acceptance based on laboratory control sample recovery.

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: 21080001 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: MMW-9S Date Collected: 7/27/2011 09:24

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc:	AM20GAX	Analytical Method: AM20GAX							
Methane	16000ug/l	0.10	0.023	1			8/8/2011 16:00	BW	
Ethane	1.6ug/l	0.025	0.0050	1			8/8/2011 16:00	BW	
Ethene	48ug/l	0.025	0.0080	1			8/8/2011 16:00	BW	

EDonors

Analysis Desc:	AM23G	Analytical Method: AM23G							
Lactic Acid	0.27mg/l	0.10	0.010	1			8/10/2011 17:21	KB	
Acetic Acid	0.045Jmg/l	0.070	0.0060	1			8/10/2011 17:21	KB	
Propionic Acid	0.049Jmg/l	0.050	0.0070	1			8/10/2011 17:21	KB	
Butyric Acid	0.050 Umg/l	0.050	0.0040	1			8/10/2011 17:21	KB	
Pyruvic Acid	0.15 Umg/l	0.15	0.033	1			8/10/2011 17:21	KB	
i-Pentanoic Acid	0.15 Umg/l	0.15	0.044	1			8/10/2011 17:21	KB	
Pentanoic Acid	0.070 Umg/l	0.070	0.012	1			8/10/2011 17:21	KB	
i-Hexanoic Acid	0.050 Umg/l	0.050	0.0060	1			8/10/2011 17:21	KB	
Hexanoic Acid	0.050 Umg/l	0.050	0.0060	1			8/10/2011 17:21	KB	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: **21080002** Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: **MMW-9S MS** Date Collected: 7/27/2011 09:24

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX		Analytical Method: AM20GAX						
Methane	18000	ug/l	0.10	0.023	1		8/8/2011 16:12	BW
Ethane	42	ug/l	0.025	0.0050	1		8/8/2011 16:12	BW
Ethene	89	ug/l	0.025	0.0080	1		8/8/2011 16:12	BW

EDonors

Analysis Desc: AM23G		Analytical Method: AM23G						
Lactic Acid	2.1	mg/l	0.10	0.010	1		8/10/2011 18:03	KB
Acetic Acid	2.0	mg/l	0.070	0.0060	1		8/10/2011 18:03	KB
Propionic Acid	1.9	mg/l	0.050	0.0070	1		8/10/2011 18:03	KB
Butyric Acid	1.9	mg/l	0.050	0.0040	1		8/10/2011 18:03	KB
Pyruvic Acid	1.7	mg/l	0.15	0.033	1		8/10/2011 18:03	KB
i-Pentanoic Acid	1.7	mg/l	0.15	0.044	1		8/10/2011 18:03	KB
Pentanoic Acid	1.7	mg/l	0.070	0.012	1		8/10/2011 18:03	KB
i-Hexanoic Acid	1.5	mg/l	0.050	0.0060	1		8/10/2011 18:03	KB
Hexanoic Acid	1.5	mg/l	0.050	0.0060	1		8/10/2011 18:03	KB

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: **21080003** Date Received: **8/3/2011 10:04** Matrix: **Water**
Sample ID: **MMW-9S MSD** Date Collected: **7/27/2011 09:24**

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX		Analytical Method: AM20GAX					
Methane	18000ug/l	0.10	0.023	1		8/8/2011 16:23	BW
Ethane	42ug/l	0.025	0.0050	1		8/8/2011 16:23	BW
Ethene	90ug/l	0.025	0.0080	1		8/8/2011 16:23	BW

EDonors

Analysis Desc: AM23G		Analytical Method: AM23G					
Lactic Acid	2.1mg/l	0.10	0.010	1		8/10/2011 18:46	KB
Acetic Acid	2.0mg/l	0.070	0.0060	1		8/10/2011 18:46	KB
Propionic Acid	1.9mg/l	0.050	0.0070	1		8/10/2011 18:46	KB
Butyric Acid	2.0mg/l	0.050	0.0040	1		8/10/2011 18:46	KB
Pyruvic Acid	1.8mg/l	0.15	0.033	1		8/10/2011 18:46	KB
i-Pentanoic Acid	1.8mg/l	0.15	0.044	1		8/10/2011 18:46	KB
Pentanoic Acid	1.8mg/l	0.070	0.012	1		8/10/2011 18:46	KB
i-Hexanoic Acid	1.8mg/l	0.050	0.0060	1		8/10/2011 18:46	KB
Hexanoic Acid	1.6mg/l	0.050	0.0060	1		8/10/2011 18:46	KB

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: **21080004** Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: **MMW-10S** Date Collected: 7/27/2011 10:02

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	-------------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX		Analytical Method: AM20GAX								
Methane	13000	ug/l	0.10	0.023	1			8/8/2011 16:38	BW	
Ethane	0.15	ug/l	0.025	0.0050	1			8/8/2011 16:38	BW	
Ethene	29	ug/l	0.025	0.0080	1			8/8/2011 16:38	BW	

EDonors

Analysis Desc: AM23G		Analytical Method: AM23G								
Lactic Acid	0.28	mg/l	0.10	0.010	1			8/10/2011 19:28	KB	
Acetic Acid	0.055J	mg/l	0.070	0.0060	1			8/10/2011 19:28	KB	
Propionic Acid	0.049J	mg/l	0.050	0.0070	1			8/10/2011 19:28	KB	
Butyric Acid	0.050	Umg/l	0.050	0.0040	1			8/10/2011 19:28	KB	
Pyruvic Acid	0.15	Umg/l	0.15	0.033	1			8/10/2011 19:28	KB	
i-Pentanoic Acid	0.15	Umg/l	0.15	0.044	1			8/10/2011 19:28	KB	
Pentanoic Acid	0.070	Umg/l	0.070	0.012	1			8/10/2011 19:28	KB	
i-Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1			8/10/2011 19:28	KB	
Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1			8/10/2011 19:28	KB	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: **21080005** Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: **MMW-C-01** Date Collected: 7/27/2011 12:02

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
RISK									
Analysis Desc: AM20GAX Analytical Method: AM20GAX									
Methane	12000ug/l	0.10	0.023	1			8/8/2011 16:48	BW	
Ethane	0.12ug/l	0.025	0.0050	1			8/8/2011 16:48	BW	
Ethene	170ug/l	0.025	0.0080	1			8/8/2011 16:48	BW	
EDonors									
Analysis Desc: AM23G Analytical Method: AM23G									
Lactic Acid	0.26mg/l	0.10	0.010	1			8/10/2011 20:10	KB	
Acetic Acid	0.066Jmg/l	0.070	0.0060	1			8/10/2011 20:10	KB	
Propionic Acid	0.049Jmg/l	0.050	0.0070	1			8/10/2011 20:10	KB	
Butyric Acid	0.050 Umg/l	0.050	0.0040	1			8/10/2011 20:10	KB	
Pyruvic Acid	0.15 Umg/l	0.15	0.033	1			8/10/2011 20:10	KB	
i-Pentanoic Acid	0.15 Umg/l	0.15	0.044	1			8/10/2011 20:10	KB	
Pentanoic Acid	0.070 Umg/l	0.070	0.012	1			8/10/2011 20:10	KB	
i-Hexanoic Acid	0.050 Umg/l	0.050	0.0060	1			8/10/2011 20:10	KB	
Hexanoic Acid	0.050 Umg/l	0.050	0.0060	1			8/10/2011 20:10	KB	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: **21080006** Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: **MMW-P-02** Date Collected: 7/27/2011 12:44

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX		Analytical Method: AM20GAX						
Methane	4300	ug/l	0.10	0.023	1		8/9/2011 09:36	BW
Ethane	1.2	ug/l	0.025	0.0050	1		8/9/2011 09:36	BW
Ethene	240	ug/l	0.025	0.0080	1		8/9/2011 09:36	BW

EDonors

Analysis Desc: AM23G		Analytical Method: AM23G						
Lactic Acid	0.28	mg/l	0.10	0.010	1		8/10/2011 20:52	KB
Acetic Acid	0.052	Jmg/l	0.070	0.0060	1		8/10/2011 20:52	KB
Propionic Acid	0.049	Jmg/l	0.050	0.0070	1		8/10/2011 20:52	KB
Butyric Acid	0.050	Umg/l	0.050	0.0040	1		8/10/2011 20:52	KB
Pyruvic Acid	0.15	Umg/l	0.15	0.033	1		8/10/2011 20:52	KB
i-Pentanoic Acid	0.15	Umg/l	0.15	0.044	1		8/10/2011 20:52	KB
Pentanoic Acid	0.070	Umg/l	0.070	0.012	1		8/10/2011 20:52	KB
i-Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1		8/10/2011 20:52	KB
Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1		8/10/2011 20:52	KB

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: **21080007** Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: **MMW-P-03D** Date Collected: 7/27/2011 13:19

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc.	AM20GAX	Analytical Method: AM20GAX						
Methane	26000	ug/l	0.10	0.023	1		8/9/2011 09:46	BW
Ethane	25	ug/l	0.025	0.0050	1		8/9/2011 09:46	BW
Ethene	1400	ug/l	0.025	0.0080	1		8/9/2011 09:46	BW

EDonors

Analysis Desc.	AM23G	Analytical Method: AM23G						
Lactic Acid	0.25	mg/l	0.10	0.010	1		8/10/2011 21:34	KB
Acetic Acid	0.34	mg/l	0.070	0.0060	1		8/10/2011 21:34	KB
Propionic Acid	0.067	mg/l	0.050	0.0070	1		8/10/2011 21:34	KB
Butyric Acid	0.050	Umg/l	0.050	0.0040	1		8/10/2011 21:34	KB
Pyruvic Acid	0.15	Umg/l	0.15	0.033	1		8/10/2011 21:34	KB
i-Pentanoic Acid	0.15	Umg/l	0.15	0.044	1		8/10/2011 21:34	KB
Pentanoic Acid	0.070	Umg/l	0.070	0.012	1		8/10/2011 21:34	KB
i-Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1		8/10/2011 21:34	KB
Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1		8/10/2011 21:34	KB

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: 21080008 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: MMW-P-03S Date Collected: 7/27/2011 13:49

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX		Analytical Method: AM20GAX						
Methane	14000ug/l		0.10	0.023	1		8/9/2011 09:57	BW
Ethane	0.80ug/l		0.025	0.0050	1		8/9/2011 09:57	BW
Ethene	1200ug/l		0.025	0.0080	1		8/9/2011 09:57	BW

EDonors

Analysis Desc: AM23G		Analytical Method: AM23G						
Lactic Acid	0.31mg/l		0.10	0.010	1		8/10/2011 22:16	KB
Acetic Acid	0.060Jmg/l		0.070	0.0060	1		8/10/2011 22:16	KB
Propionic Acid	0.051mg/l		0.050	0.0070	1		8/10/2011 22:16	KB
Butyric Acid	0.050 Umg/l		0.050	0.0040	1		8/10/2011 22:16	KB
Pyruvic Acid	0.15 Umg/l		0.15	0.033	1		8/10/2011 22:16	KB
i-Pentanoic Acid	0.15 Umg/l		0.15	0.044	1		8/10/2011 22:16	KB
Pentanoic Acid	0.070 Umg/l		0.070	0.012	1		8/10/2011 22:16	KB
i-Hexanoic Acid	0.050 Umg/l		0.050	0.0060	1		8/10/2011 22:16	KB
Hexanoic Acid	0.050 Umg/l		0.050	0.0060	1		8/10/2011 22:16	KB

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: **21080009** Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: **MMW-P-05** Date Collected: 7/27/2011 14:19

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
RISK									
Analysis Desc: AM20GAX Analytical Method: AM20GAX									
Methane	15000 ug/l	0.10	0.023	1		8/9/2011 10:08	BW		
Ethane	0.23 ug/l	0.025	0.0050	1		8/9/2011 10:08	BW		
Ethene	1300 ug/l	0.025	0.0080	1		8/9/2011 10:08	BW		

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: **21080010** Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: **MMW-P-10S** Date Collected: 7/27/2011 14:47

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------------	-----	-----	-------------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX		Analytical Method: AM20GAX					
Methane	13000 ug/l	0.10	0.023	1		8/9/2011 10:54	BW
Ethane	1.4 ug/l	0.025	0.0050	1		8/9/2011 10:54	BW
Ethene	120 ug/l	0.025	0.0080	1		8/9/2011 10:54	BW

EDonors

Analysis Desc: AM23G		Analytical Method: AM23G					
Lactic Acid	0.21 mg/l	0.10	0.010	1		8/10/2011 22:58	KB
Acetic Acid	0.050 Jmg/l	0.070	0.0060	1		8/10/2011 22:58	KB
Propionic Acid	0.052 mg/l	0.050	0.0070	1		8/10/2011 22:58	KB
Butyric Acid	0.050 Umg/l	0.050	0.0040	1		8/10/2011 22:58	KB
Pyruvic Acid	0.065 Jmg/l	0.15	0.033	1		8/10/2011 22:58	KB
i-Pentanoic Acid	0.083 Jmg/l	0.15	0.044	1		8/10/2011 22:58	KB
Pentanoic Acid	0.070 Umg/l	0.070	0.012	1		8/10/2011 22:58	KB
i-Hexanoic Acid	0.050 Umg/l	0.050	0.0060	1		8/10/2011 22:58	KB
Hexanoic Acid	0.050 Umg/l	0.050	0.0060	1		8/10/2011 22:58	KB

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: 21080011 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: MMW-P-10D Date Collected: 7/27/2011 15:19

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX										Analytical Method: AM20GAX	
Methane	23000	ug/l	0.10	0.023	1				8/9/2011 11:04	BW	
Ethane	1.8	ug/l	0.025	0.0050	1				8/9/2011 11:04	BW	
Ethene	530	ug/l	0.025	0.0080	1				8/9/2011 11:04	BW	
EDonors											
Analysis Desc: AM23G										Analytical Method: AM23G	
Lactic Acid	0.26	mg/l	0.10	0.010	1				8/10/2011 23:40	KB	
Acetic Acid	0.054	Jmg/l	0.070	0.0060	1				8/10/2011 23:40	KB	
Propionic Acid	0.049	Jmg/l	0.050	0.0070	1				8/10/2011 23:40	KB	
Butyric Acid	0.050	Umg/l	0.050	0.0040	1				8/10/2011 23:40	KB	
Pyruvic Acid	0.066	Jmg/l	0.15	0.033	1				8/10/2011 23:40	KB	
i-Pentanoic Acid	0.080	Jmg/l	0.15	0.044	1				8/10/2011 23:40	KB	
Pentanoic Acid	0.070	Umg/l	0.070	0.012	1				8/10/2011 23:40	KB	
i-Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1				8/10/2011 23:40	KB	
Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1				8/10/2011 23:40	KB	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: 21080012 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: MMW-P-08 Date Collected: 7/27/2011 15:47

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX Analytical Method: AM20GAX											
Methane	8400	ug/l	0.10	0.023	1			8/9/2011 11:14	BW		
Ethane	0.098	ug/l	0.025	0.0050	1			8/9/2011 11:14	BW		
Ethene	500	ug/l	0.025	0.0080	1			8/9/2011 11:14	BW		
EDonors											
Analysis Desc: AM23G Analytical Method: AM23G											
Lactic Acid	0.27	mg/l	0.10	0.010	1			8/11/2011 00:23	KB		
Acetic Acid	0.096	mg/l	0.070	0.0060	1			8/11/2011 00:23	KB		
Propionic Acid	0.050	mg/l	0.050	0.0070	1			8/11/2011 00:23	KB		
Butyric Acid	0.050	Umg/l	0.050	0.0040	1			8/11/2011 00:23	KB		
Pyruvic Acid	0.064	Jmg/l	0.15	0.033	1			8/11/2011 00:23	KB		
i-Pentanoic Acid	0.079	Jmg/l	0.15	0.044	1			8/11/2011 00:23	KB		
Pentanoic Acid	0.070	Umg/l	0.070	0.012	1			8/11/2011 00:23	KB		
i-Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1			8/11/2011 00:23	KB		
Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1			8/11/2011 00:23	KB		

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: 21080013 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: MMW-P-07 Date Collected: 7/28/2011 09:39

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX		Analytical Method: AM20GAX					
Methane	8100ug/l	0.10	0.023	1			8/9/2011 11:36 BW
Ethane	0.12ug/l	0.025	0.0050	1			8/9/2011 11:36 BW
Ethene	480ug/l	0.025	0.0080	1			8/9/2011 11:36 BW

EDonors

Analysis Desc: AM23G		Analytical Method: AM23G					
Lactic Acid	0.98mg/l	0.10	0.010	1			8/11/2011 01:05 KB
Acetic Acid	3.9mg/l	0.070	0.0060	1			8/11/2011 01:05 KB
Propionic Acid	0.23mg/l	0.050	0.0070	1			8/11/2011 01:05 KB
Butyric Acid	0.14mg/l	0.050	0.0040	1			8/11/2011 01:05 KB
Pyruvic Acid	0.065Jmg/l	0.15	0.033	1			8/11/2011 01:05 KB
i-Pentanoic Acid	0.085Jmg/l	0.15	0.044	1			8/11/2011 01:05 KB
Pentanoic Acid	0.070 Umg/l	0.070	0.012	1			8/11/2011 01:05 KB
i-Hexanoic Acid	0.050 Umg/l	0.050	0.0060	1			8/11/2011 01:05 KB
Hexanoic Acid	0.050 Umg/l	0.050	0.0060	1			8/11/2011 01:05 KB

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 Mi PLAZA / M01046

Lab ID: 21080014 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: MMW-P-01 Date Collected: 7/28/2011 10:14

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX Analytical Method: AM20GAX											
Methane	13000	ug/l	0.10	0.023	1				8/9/2011 11:45	BW	
Ethane	0.76	ug/l	0.025	0.0050	1				8/9/2011 11:45	BW	
Ethene	670	ug/l	0.025	0.0080	1				8/9/2011 11:45	BW	
EDonors											
Analysis Desc: AM23G Analytical Method: AM23G											
Lactic Acid	0.28	mg/l	0.10	0.010	1				8/11/2011 01:47	KB	
Acetic Acid	0.066J	mg/l	0.070	0.0060	1				8/11/2011 01:47	KB	
Propionic Acid	0.050	mg/l	0.050	0.0070	1				8/11/2011 01:47	KB	
Butyric Acid	0.050	Umg/l	0.050	0.0040	1				8/11/2011 01:47	KB	
Pyruvic Acid	0.15	Umg/l	0.15	0.033	1				8/11/2011 01:47	KB	
i-Pentanoic Acid	0.15	Umg/l	0.15	0.044	1				8/11/2011 01:47	KB	
Pentanoic Acid	0.070	Umg/l	0.070	0.012	1				8/11/2011 01:47	KB	
i-Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1				8/11/2011 01:47	KB	
Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1				8/11/2011 01:47	KB	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: 21080015 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: MMW-P-06 Date Collected: 7/28/2011 10:45

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX			Analytical Method: AM20GAX								
Methane	20000	ug/l	0.10	0.023	1				8/9/2011 11:55	BW	
Ethane	0.92	ug/l	0.025	0.0050	1				8/9/2011 11:55	BW	
Ethene	3700	ug/l	0.025	0.0080	1				8/9/2011 11:55	BW	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: 21080016 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: MMW-P-04 Date Collected: 7/28/2011 11:24

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
RISK											
Analysis Desc: AM20GAX										Analytical Method: AM20GAX	
Methane	18000	ug/l	0.10	0.023	1					8/9/2011 12:05	BW
Ethane	0.44	ug/l	0.025	0.0050	1					8/9/2011 12:05	BW
Ethene	570	ug/l	0.025	0.0080	1					8/9/2011 12:05	BW
EDonors											
Analysis Desc: AM23G										Analytical Method: AM23G	
Lactic Acid	1.0	Umg/l	1.0	0.10	10					8/11/2011 11:36	KB
Acetic Acid	24	mg/l	0.70	0.060	10					8/11/2011 11:36	KB
Propionic Acid	1.7	mg/l	0.50	0.070	10					8/11/2011 11:36	KB
Butyric Acid	0.22	mg/l	0.050	0.0040	1					8/11/2011 02:29	KB
Pyruvic Acid	0.067	Jmg/l	0.15	0.033	1					8/11/2011 02:29	KB
i-Pentanoic Acid	0.13	Jmg/l	0.15	0.044	1					8/11/2011 02:29	KB
Pentanoic Acid	0.070	Umg/l	0.070	0.012	1					8/11/2011 02:29	KB
i-Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1					8/11/2011 02:29	KB
Hexanoic Acid	0.050	Umg/l	0.050	0.0060	1					8/11/2011 02:29	KB

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: 21080017 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: MMW-1S Date Collected: 7/28/2011 13:08

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX		Analytical Method: AM20GAX					
Methane	9000 ug/l	0.10	0.023	1			8/9/2011 12:15 BW
Ethane	0.012 J ug/l	0.025	0.0050	1			8/9/2011 12:15 BW
Ethene	0.16 ug/l	0.025	0.0080	1			8/9/2011 12:15 BW

EDonors

Analysis Desc: AM23G		Analytical Method: AM23G					
Lactic Acid	0.87 mg/l	0.10	0.010	1			8/11/2011 03:11 KB
Acetic Acid	0.25 mg/l	0.070	0.0060	1			8/11/2011 03:11 KB
Propionic Acid	0.068 mg/l	0.050	0.0070	1			8/11/2011 03:11 KB
Butyric Acid	0.092 mg/l	0.050	0.0040	1			8/11/2011 03:11 KB
Pyruvic Acid	0.15 Umg/l	0.15	0.033	1			8/11/2011 03:11 KB
i-Pentanoic Acid	0.15 Umg/l	0.15	0.044	1			8/11/2011 03:11 KB
Pentanoic Acid	0.070 Umg/l	0.070	0.012	1			8/11/2011 03:11 KB
i-Hexanoic Acid	0.050 Umg/l	0.050	0.0060	1			8/11/2011 03:11 KB
Hexanoic Acid	0.050 Umg/l	0.050	0.0060	1			8/11/2011 03:11 KB

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: 21080018 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: MMW-8S Date Collected: 7/28/2011 13:39

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX		Analytical Method: AM20GAX									
Methane	8500ug/l		0.10	0.023	1				8/9/2011 17:04	BW	
Ethane	0.16ug/l		0.025	0.0050	1				8/9/2011 17:04	BW	
Ethene	26ug/l		0.025	0.0080	1				8/9/2011 17:04	BW	

EDonors

Analysis Desc: AM23G		Analytical Method: AM23G									
Lactic Acid	0.20mg/l		0.10	0.010	1				8/11/2011 03:53	KB	
Acetic Acid	0.044Jmg/l		0.070	0.0060	1				8/11/2011 03:53	KB	
Propionic Acid	0.049Jmg/l		0.050	0.0070	1				8/11/2011 03:53	KB	
Butyric Acid	0.050 Umg/l		0.050	0.0040	1				8/11/2011 03:53	KB	
Pyruvic Acid	0.15 Umg/l		0.15	0.033	1				8/11/2011 03:53	KB	
i-Pentanoic Acid	0.15 Umg/l		0.15	0.044	1				8/11/2011 03:53	KB	
Pentanoic Acid	0.070 Umg/l		0.070	0.012	1				8/11/2011 03:53	KB	
i-Hexanoic Acid	0.050 Umg/l		0.050	0.0060	1				8/11/2011 03:53	KB	
Hexanoic Acid	0.050 Umg/l		0.050	0.0060	1				8/11/2011 03:53	KB	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2108 MI PLAZA / M01046

Lab ID: 21080019 Date Received: 8/3/2011 10:04 Matrix: Water
Sample ID: DUP 1 Date Collected: 7/28/2011 00:00

Parameters	Results	Units	RDL	MDL	DF	Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	----	----------	----	----------	----	------	--------

RISK

Analysis Desc: AM20GAX		Analytical Method: AM20GAX						
Methane	14000ug/l		0.10	0.023	1		8/9/2011 17:14	BW
Ethane	1.5ug/l		0.025	0.0050	1		8/9/2011 17:14	BW
Ethene	130ug/l		0.025	0.0080	1		8/9/2011 17:14	BW

EDonors

Analysis Desc: AM23G		Analytical Method: AM23G						
Lactic Acid	0.24mg/l		0.10	0.010	1		8/11/2011 04:35	KB
Acetic Acid	0.049Jmg/l		0.070	0.0060	1		8/11/2011 04:35	KB
Propionic Acid	0.050mg/l		0.050	0.0070	1		8/11/2011 04:35	KB
Butyric Acid	0.050 Umg/l		0.050	0.0040	1		8/11/2011 04:35	KB
Pyruvic Acid	0.15 Umg/l		0.15	0.033	1		8/11/2011 04:35	KB
i-Pentanoic Acid	0.15 Umg/l		0.15	0.044	1		8/11/2011 04:35	KB
Pentanoic Acid	0.070 Umg/l		0.070	0.012	1		8/11/2011 04:35	KB
i-Hexanoic Acid	0.050 Umg/l		0.050	0.0060	1		8/11/2011 04:35	KB
Hexanoic Acid	0.050 Umg/l		0.050	0.0060	1		8/11/2011 04:35	KB

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS QUALIFIERS

Workorder: 2108 MI PLAZA / M01046

PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA

Workorder: 2108 MI PLAZA / M01046

QC Batch: DISG/1329 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 21080001, 21080002, 21080003, 21080004, 21080005

METHOD BLANK: 3670

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
RISK				
Methane	ug/l	0.10 U	0.10	
Ethane	ug/l	0.025 U	0.025	
Ethene	ug/l	0.025 U	0.025	

LABORATORY CONTROL SAMPLE & LCSD: 3671 3672

Parameter	Units	Spike Conc.	LCS Result	LCS	LCSD	LCSD	% Rec	RPD	Max	
				Result	% Rec	% Rec	Limit		RPD	Qualifiers
RISK										
Methane	ug/l	820	900	910	110	110	80-120	0	20	
Ethane	ug/l	45	47	48	110	110	80-120	0	20	
Ethene	ug/l	41	44	44	110	110	80-120	0	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3682 3683 Original: 21080001

Parameter	Units	Original	Spike	MS	MSD	MS	MSD	% Rec	Max	
		Result	Conc.	Result	Result	% Rec	% Rec	Limit	RPD	RPD Qualifiers
RISK										
Methane	ug/l	16000	820	18000	18000	220	270	70-130	20	20
Ethane	ug/l	1.6	45	42	42	89	90	70-130	1.1	20
Ethene	ug/l	48	41	89	90	100	100	70-130	0	20

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA

Workorder: 2108 MI PLAZA / M01046

QC Batch: DISG/1331 Analysis Method: AM20GAX

QC Batch Method: AM20GAX

Associated Lab Samples: 21080006, 21080007, 21080008, 21080009, 21080010, 21080011, 21080012, 21080013, 21080014, 21080015,

METHOD BLANK: 3679

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
RISK				
Methane	ug/l	0.10 U	0.10	
Ethane	ug/l	0.025 U	0.025	
Ethene	ug/l	0.025 U	0.025	

LABORATORY CONTROL SAMPLE & LCSD: 3680 3681

Parameter	Units	Spike Conc.	LCS Result	LCSD	LCS	LCSD	% Rec Limit	RPD	Max
				Result	% Rec	% Rec			RPD Qualifiers
RISK									
Methane	ug/l	820	910	910	110	110	80-120	0	20
Ethane	ug/l	45	48	48	110	110	80-120	0	20
Ethene	ug/l	41	44	44	110	110	80-120	0	20

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA

Workorder: 2108 MI PLAZA / M01046

QC Batch: DISG/1332 Analysis Method: AM20GAX
QC Batch Method: AM20GAX
Associated Lab Samples: 21080018, 21080019

METHOD BLANK: 3684

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
RISK				
Methane	ug/l	0.10 U	0.10	
Ethane	ug/l	0.025 U	0.025	
Ethene	ug/l	0.025 U	0.025	

LABORATORY CONTROL SAMPLE & LCSD: 3685 3686

Parameter	Units	Spike Conc.	LCS Result	LCSD	LCS	LCSD	% Rec Limit	RPD	Max
				Result	% Rec	% Rec			RPD Qualifiers
RISK									
Methane	ug/l	820	880	910	110	110	80-120	0	20
Ethane	ug/l	45	47	49	110	110	80-120	0	20
Ethene	ug/l	41	44	45	110	110	80-120	0	20

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA

Workorder: 2108 MI PLAZA / M01046

QC Batch: EDON/1074 Analysis Method: AM23G

QC Batch Method: AM23G

Associated Lab Samples: 21080001, 21080002, 21080003, 21080004, 21080005, 21080006, 21080007, 21080008, 21080010, 21080011,

METHOD BLANK: 3766

Parameter	Units	Blank Result	Reporting	
			Limit	Qualifiers
EDonors				
Lactic Acid	mg/l	0.10 U	0.10	
Acetic Acid	mg/l	0.070 U	0.070	
Propionic Acid	mg/l	0.050 U	0.050	
Butyric Acid	mg/l	0.050 U	0.050	
Pyruvic Acid	mg/l	0.15 U	0.15	
i-Pentanoic Acid	mg/l	0.15 U	0.15	
Pentanoic Acid	mg/l	0.070 U	0.070	
i-Hexanoic Acid	mg/l	0.050 U	0.050	
Hexanoic Acid	mg/l	0.050 U	0.050	

LABORATORY CONTROL SAMPLE: 3767

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec	
					Limits	Qualifiers
EDonors						
Lactic Acid	mg/l	2	1.8	90	70-130	
Acetic Acid	mg/l	2	1.9	97	70-130	
Propionic Acid	mg/l	2	1.9	95	70-130	
Butyric Acid	mg/l	2	2.0	98	70-130	
Pyruvic Acid	mg/l	2	1.8	90	70-130	
i-Pentanoic Acid	mg/l	2	1.8	92	70-130	
Pentanoic Acid	mg/l	2	1.7	87	70-130	
i-Hexanoic Acid	mg/l	2	1.7	85	70-130	
Hexanoic Acid	mg/l	2	1.5	77	70-130	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3768 3769 Original: 21080001

Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec		
								Limit	RPD	Max RPD Qualifiers
EDonors										
Lactic Acid	mg/l	0.27	2	2.1	2.1	90	90	70-130	0	30
Acetic Acid	mg/l	0.045	2	2.0	2.0	96	98	70-130	2.1	30
Propionic Acid	mg/l	0.049	2	1.9	1.9	93	94	70-130	1.1	30

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA

Workorder: 2108 MI PLAZA / M01046

MATRIX SPIKE & MATRIX SPIKE DUPLICATE:			3768	3769	Original: 21080001						
Parameter	Units	Original Result	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
Butyric Acid	mg/l	0	2	1.9	2.0	97	100	70-130	3	30	
Pyruvic Acid	mg/l	0	2	1.7	1.8	87	90	70-130	3.4	30	
i-Pentanoic Acid	mg/l	0	2	1.7	1.8	87	92	70-130	5.6	30	
Pentanoic Acid	mg/l	0	2	1.7	1.8	85	90	70-130	5.7	30	
i-Hexanoic Acid	mg/l	0	2	1.5	1.8	75	90	70-130	18	30	
Hexanoic Acid	mg/l	0	2	1.5	1.6	75	79	70-130	5.2	30	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA

Workorder: 2108 MI PLAZA / M01046

QC Batch: EDON/1076 Analysis Method: AM23G
QC Batch Method: AM23G
Associated Lab Samples: 21080016

METHOD BLANK: 3850

Parameter	Units	Blank Result	Reporting Limit Qualifiers	
EDonors				
Lactic Acid	mg/l	0.10 U	0.10	
Acetic Acid	mg/l	0.070 U	0.070	
Propionic Acid	mg/l	0.050 U	0.050	

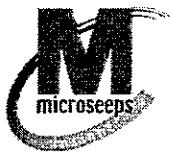
LABORATORY CONTROL SAMPLE: 3851

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
EDonors						
Lactic Acid	mg/l	2	1.8	89	70-130	
Acetic Acid	mg/l	2	1.9	97	70-130	
Propionic Acid	mg/l	2	1.9	94	70-130	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2108 MI PLAZA / M01046

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
21080001	MMW-9S			AM20GAX	DISG/1329
21080002	MMW-9S MS			AM20GAX	DISG/1329
21080003	MMW-9S MSD			AM20GAX	DISG/1329
21080004	MMW-10S			AM20GAX	DISG/1329
21080005	MMW-C-01			AM20GAX	DISG/1329
21080006	MMW-P-02			AM20GAX	DISG/1331
21080007	MMW-P-03D			AM20GAX	DISG/1331
21080008	MMW-P-03S			AM20GAX	DISG/1331
21080009	MMW-P-05			AM20GAX	DISG/1331
21080010	MMW-P-10S			AM20GAX	DISG/1331
21080011	MMW-P-10D			AM20GAX	DISG/1331
21080012	MMW-P-08			AM20GAX	DISG/1331
21080013	MMW-P-07			AM20GAX	DISG/1331
21080014	MMW-P-01			AM20GAX	DISG/1331
21080015	MMW-P-06			AM20GAX	DISG/1331
21080016	MMW-P-04			AM20GAX	DISG/1331
21080017	MMW-1S			AM20GAX	DISG/1331
21080018	MMW-8S			AM20GAX	DISG/1332
21080019	DUP 1			AM20GAX	DISG/1332
21080001	MMW-9S			AM23G	EDON/1074
21080002	MMW-9S MS			AM23G	EDON/1074
21080003	MMW-9S MSD			AM23G	EDON/1074
21080004	MMW-10S			AM23G	EDON/1074
21080005	MMW-C-01			AM23G	EDON/1074
21080006	MMW-P-02			AM23G	EDON/1074
21080007	MMW-P-03D			AM23G	EDON/1074
21080008	MMW-P-03S			AM23G	EDON/1074
21080010	MMW-P-10S			AM23G	EDON/1074
21080011	MMW-P-10D			AM23G	EDON/1074
21080012	MMW-P-08			AM23G	EDON/1074
21080013	MMW-P-07			AM23G	EDON/1074

Report ID: 2108 - 93538

Page 31 of 32

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2108 MI PLAZA / M01046

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
21080014	MMW-P-01			AM23G	EDON/1074
21080016	MMW-P-04			AM23G	EDON/1074
21080017	MMW-1S			AM23G	EDON/1074
21080018	MMW-8S			AM23G	EDON/1074
21080019	DUP 1			AM23G	EDON/1074
21080016	MMW-P-04			AM23G	EDON/1076

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps
Lab. Proj. #

CHAIN - OF - CUSTODY RECORD

Microseeps
COC cont. #

Phone: (412) 826-5245

Microseeps Inc. - 220 William Pitt Way - Pittsburgh, PA 15238

Fax No.: (412) 826-3433

Mundell & Associates

105 Downey Ave

317-630-9000 Fax #: 317-630-9065

Proj. Manager:

Sarah Webb

Proj. Name/Number: M1 Plaza / M 01046

Sampler's signature:

Company :		Mundell & Associates	
Co. Address :		105 Downey Ave	
Phone # :	317-630-9000	Fax # :	317-630-9065
Proj. Manager :	Sarah Webb	Invoice to :	Merle Telby
Proj. Name/Number :	M1 Plaza / M 01046	Comments :	Mundell & Assoc.

Parameters Requested		Results to :	
		Sarah Webb	
		Mundell & Assoc.	

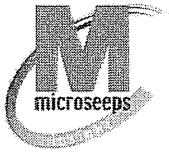
Sample ID	Sample Description	Sample Type	Date	Time	Notes	Remarks
MMW-9S(MSLND)	Water	Water	7/27/11	9:24A	12	X X
MMW-10S	Water	Water	7/27/11	10:02A	4	X X
MMW-C-D1	Water	Water	7/27/11	12:02P	4	X X
MMW-P02	Water	Water	7/27/11	12:44P	4	X X
MMW-P-03D	Water	Water	7/27/11	1:19P	4	X X
MMW-P-03S	Water	Water	7/27/11	1:49P	4	V X
MMW-P-05	water	Water	7/27/11	2:19P	2	X
MMW-P-10S	Water	Water	7/27/11	2:47P	4	X X
MMW-P-10P	water	Water	7/27/11	3:19P	4	X X
MMW-P-08	Water	Water	7/27/11	3:47P	4	X X
MMW-P-07	Water	Water	7/28/11	4:39A	4	X X
MMW-P-01	Water	Water	7/28/11	10:14A	4	X X

Relinquished by :	Company :	Date :	Time :	Received by :	Time :	Comments :
	Mundell	8/1/11	4:02P		4:02P	
Relinquished by :	Company :	Date :	Time :	Received by :	Time :	Comments :
	Mundell	8/1/11	2:11P		2:11P	
Relinquished by :	Company :	Date :	Time :	Received by :	Time :	Comments :

WHITE COPY : Accompany Samples

YELLOW COPY : Laboratory File

PINK COPY : Submitter



Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

August 24, 2011

Sarah Webb
Mundell & Associates, Inc.
110 South Downey Ave.
Indianapolis, IN 46219

RE: **MICHIGAN PLAZA M04044**

Microseeps Workorder: 2129

Dear Sarah Webb:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, August 04, 2011. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Heather Hauser 08/24/2011
hhauser@microseeps.com

Enclosures

Total Number of Pages 15

Report ID: 2129 - 98473

Page 1 of 14

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

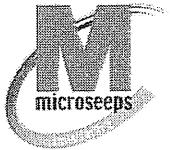
LABORATORY ACCREDITATIONS & CERTIFICATIONS

Accreditor:	Pennsylvania Department of Environmental Protection, Bureau of Laboratories	
Accreditation ID:	02-00538	
Scope:	NELAP Non-Potable Water and Solid & Hazardous Waste	
Accreditor:	NELAP: State of Florida, Department of Health, Bureau of Laboratories	
Accreditation ID:	E87832	
Scope:	Clean Water Act (CWA)	Resource Conservation and Recovery Act (RCRA)
Accreditor:	South Carolina Department of Health and Environmental Control, Office of Environmental Laboratory Certification	
Accreditation ID:	89009003	
Scope:	Clean Water Act (CWA); Resource Conservation and Recovery Act (RCRA)	
Accreditor:	NELAP: State of Louisiana, Department of Environmental Quality	
Accreditation ID:	04104	
Scope:	Solid and Chemical Materials; Non-Potable Water	
Accreditor:	NELAP: New Jersey, Department of Environmental Protection	
Accreditation ID:	PA026	
Scope:	Non-Potable Water; Solid and Chemical Materials	
Accreditor:	NELAP: New York, Department of Health Wadsworth Center	
Accreditation ID:	11815	
Scope:	Non-Potable Water; Solid and Hazardous Waste	
Accreditor:	State of Connecticut, Department of Public Health, Division of Environmental Health	
Accreditation ID:	PH-0263	
Scope:	Clean Water Act (CWA) Resource Conservation and Recovery Act (RCRA)	
Accreditor:	NELAP: Texas, Commission on Environmental Quality	
Accreditation ID:	T104704453-09-TX	
Scope:	Non-Potable Water	
Accreditor:	State of New Hampshire	
Accreditation ID:	299409	
Scope:	Non-potable water	
Accreditor:	State of Georgia	
Accreditation ID:	Chapter 391-3-26	
Scope:	As per the Georgia EPD Rules and Regulations for Commercial Laboratories, Microseeps is accredited by the Pennsylvania Department of Environmental Protection Bureau of Laboratories under the National Environmental Laboratory Approval Program (NELAC).	

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

SAMPLE SUMMARY

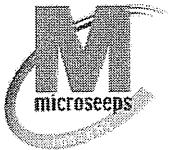
Workorder: 2129 MICHIGAN PLAZA M04044

Lab ID	Sample ID	Matrix	Date Collected	Date Received
21290001	B-1	Vapor	7/29/2011 13:50	8/4/2011 13:38
21290002	B-2	Vapor	7/29/2011 13:30	8/4/2011 13:38
21290003	B-3	Vapor	7/29/2011 13:35	8/4/2011 13:38
21290004	B-4	Vapor	7/29/2011 13:40	8/4/2011 13:38
21290005	B-5	Vapor	7/29/2011 13:00	8/4/2011 13:38
21290006	B-6	Vapor	7/29/2011 13:15	8/4/2011 13:38
21290007	B-7	Vapor	7/29/2011 13:20	8/4/2011 13:38

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2129 MICHIGAN PLAZA M04044

Lab ID: 21290001 Date Received: 8/4/2011 13:38 Matrix: Vapor
Sample ID: B-1 Date Collected: 7/29/2011 13:50

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
RISK										
Analysis Desc: AM4.02 Vapors Analytical Method: AM4.02 Vapors										
Vinyl Chloride	1.0	Uppmv	1.0	0.095	1			8/16/2011 00:46	SL	
1,1-Dichloroethene	0.010	Uppmv	0.010	0.0010	1			8/16/2011 00:46	SL	
Methylene Chloride	2.0	Uppmv	2.0	0.19	1			8/16/2011 00:46	SL	
trans-1,2-Dichloroethene	0.010	Uppmv	0.010	0.0080	1			8/16/2011 00:46	SL	
1,1-Dichloroethane	0.020	Uppmv	0.020	0.0040	1			8/16/2011 00:46	SL	
cis-1,2-Dichloroethene	0.020	Uppmv	0.020	0.0070	1			8/16/2011 00:46	SL	
Chloroform	0.0018	Jppmv	0.0050	0.0010	1			8/16/2011 00:46	SL	
1,1,1-Trichloroethane	0.0050	Uppmv	0.0050	0.0010	1			8/16/2011 00:46	SL	
Carbon Tetrachloride	0.0050	Uppmv	0.0050	0.0010	1			8/16/2011 00:46	SL	
Trichloroethene	0.0012	Jppmv	0.010	0.0010	1			8/16/2011 00:46	SL	
Tetrachloroethene	0.066	ppmv	0.010	0.0010	1			8/16/2011 00:46	SL	

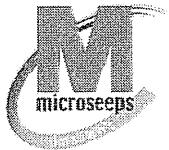
Report ID: 2129 - 98473

Page 4 of 14

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2129 MICHIGAN PLAZA M04044

Lab ID: **21290002** Date Received: 8/4/2011 13:38 Matrix: Vapor
Sample ID: **B-2** Date Collected: 7/29/2011 13:30

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
RISK									
Analysis Desc: AM4.02 Vapors Analytical Method: AM4.02 Vapors									
Vinyl Chloride	0.46Jppmv	1.0	0.095	1			8/16/2011 15:52	SL	
1,1-Dichloroethene	0.010 Uppmv	0.010	0.0010	1			8/16/2011 15:52	SL	
Methylene Chloride	0.29Jppmv	2.0	0.19	1			8/16/2011 15:52	SL	
trans-1,2-Dichloroethene	0.010 Uppmv	0.010	0.0080	1			8/16/2011 15:52	SL	
1,1-Dichloroethane	0.020 Uppmv	0.020	0.0040	1			8/16/2011 15:52	SL	
cis-1,2-Dichloroethene	0.020 Uppmv	0.020	0.0070	1			8/16/2011 15:52	SL	
Chloroform	0.0018Jppmv	0.0050	0.0010	1			8/16/2011 15:52	SL	
1,1,1-Trichloroethane	0.0050 Uppmv	0.0050	0.0010	1			8/16/2011 15:52	SL	
Carbon Tetrachloride	0.0050 Uppmv	0.0050	0.0010	1			8/16/2011 15:52	SL	
Trichloroethene	0.0021Jppmv	0.010	0.0010	1			8/16/2011 15:52	SL	
Tetrachloroethene	0.17ppmv	0.010	0.0010	1			8/16/2011 15:52	SL	

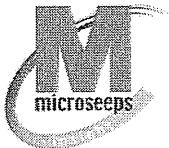
Report ID: 2129 - 98473

Page 5 of 14

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2129 MICHIGAN PLAZA M04044

Lab ID: **21290003** Date Received: 8/4/2011 13:38 Matrix: Vapor
Sample ID: **B-3** Date Collected: 7/29/2011 13:35

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------------	-----	-----	-------------	----	----------	----	------	--------

RISK

Analysis Desc: AM4.02 Vapors	Analytical Method: AM4.02 Vapors								
Vinyl Chloride	1.0 Uppmv	1.0	0.095	1			8/16/2011 17:00	SL	
1,1-Dichloroethene	0.010 Uppmv	0.010	0.0010	1			8/16/2011 17:00	SL	
Methylene Chloride	0.22Jppmv	2.0	0.19	1			8/16/2011 17:00	SL	
trans-1,2-Dichloroethene	0.010 Uppmv	0.010	0.0080	1			8/16/2011 17:00	SL	
1,1-Dichloroethane	0.020 Uppmv	0.020	0.0040	1			8/16/2011 17:00	SL	
cis-1,2-Dichloroethene	0.020 Uppmv	0.020	0.0070	1			8/16/2011 17:00	SL	
Chloroform	0.0022Jppmv	0.0050	0.0010	1			8/16/2011 17:00	SL	
1,1,1-Trichloroethane	0.0050 Uppmv	0.0050	0.0010	1			8/16/2011 17:00	SL	
Carbon Tetrachloride	0.0050 Uppmv	0.0050	0.0010	1			8/16/2011 17:00	SL	
Trichloroethene	0.0017Jppmv	0.010	0.0010	1			8/16/2011 17:00	SL	
Tetrachloroethene	0.11 ppmv	0.010	0.0010	1			8/16/2011 17:00	SL	

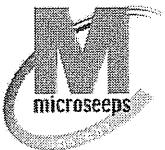
Report ID: 2129 - 98473

Page 6 of 14

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2129 MICHIGAN PLAZA M04044

Lab ID: **21290004** Date Received: 8/4/2011 13:38 Matrix: Vapor
Sample ID: **B-4** Date Collected: 7/29/2011 13:40

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	-------------	----	----------	----	------	--------

RISK

Analysis Desc:	AM4.02 Vapors					Analytical Method: AM4.02 Vapors				
Vinyl Chloride	1.0	Uppmv	1.0	0.095	1			8/16/2011 18:08	SL	
1,1-Dichloroethene	0.010	Uppmv	0.010	0.0010	1			8/16/2011 18:08	SL	
Methylene Chloride	2.0	Uppmv	2.0	0.19	1			8/16/2011 18:08	SL	
trans-1,2-Dichloroethene	0.010	Uppmv	0.010	0.0080	1			8/16/2011 18:08	SL	
1,1-Dichloroethane	0.020	Uppmv	0.020	0.0040	1			8/16/2011 18:08	SL	
cis-1,2-Dichloroethene	0.020	Uppmv	0.020	0.0070	1			8/16/2011 18:08	SL	
Chloroform	0.0051	ppmv	0.0050	0.0010	1			8/16/2011 18:08	SL	
1,1,1-Trichloroethane	0.0050	Uppmv	0.0050	0.0010	1			8/16/2011 18:08	SL	
Carbon Tetrachloride	0.0050	Uppmv	0.0050	0.0010	1			8/16/2011 18:08	SL	
Trichloroethene	0.010	Uppmv	0.010	0.0010	1			8/16/2011 18:08	SL	
Tetrachloroethene	0.0025	Jppmv	0.010	0.0010	1			8/16/2011 18:08	SL	

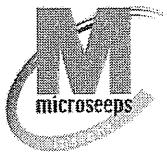
Report ID: 2129 - 98473

Page 7 of 14

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2129 MICHIGAN PLAZA M04044

Lab ID: **21290005** Date Received: 8/4/2011 13:38 Matrix: Vapor
Sample ID: **B-5** Date Collected: 7/29/2011 13:00

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
RISK									
Analysis Desc: AM4.02 Vapors Analytical Method: AM4.02 Vapors									
Vinyl Chloride	1.0 Uppmv	1.0	0.095	1			8/16/2011 19:16	SL	
1,1-Dichloroethene	0.010 Uppmv	0.010	0.0010	1			8/16/2011 19:16	SL	
Methylene Chloride	2.0 Uppmv	2.0	0.19	1			8/16/2011 19:16	SL	
trans-1,2-Dichloroethene	0.010 Uppmv	0.010	0.0080	1			8/16/2011 19:16	SL	
1,1-Dichloroethane	0.020 Uppmv	0.020	0.0040	1			8/16/2011 19:16	SL	
cis-1,2-Dichloroethene	0.020 Uppmv	0.020	0.0070	1			8/16/2011 19:16	SL	
Chloroform	0.0066 ppmv	0.0050	0.0010	1			8/16/2011 19:16	SL	
1,1,1-Trichloroethane	0.0050 Uppmv	0.0050	0.0010	1			8/16/2011 19:16	SL	
Carbon Tetrachloride	0.0050 Uppmv	0.0050	0.0010	1			8/16/2011 19:16	SL	
Trichloroethene	0.0014Jppmv	0.010	0.0010	1			8/16/2011 19:16	SL	
Tetrachloroethene	0.022ppmv	0.010	0.0010	1			8/16/2011 19:16	SL	

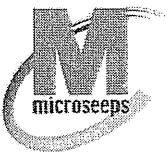
Report ID: 2129 - 98473

Page 8 of 14

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2129 MICHIGAN PLAZA M04044

Lab ID: **21290006** Date Received: 8/4/2011 13:38 Matrix: Vapor
Sample ID: **B-6** Date Collected: 7/29/2011 13:15

Parameters	Results	Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
------------	---------	-------	-----	-----	-------------	----	----------	----	------	--------

RISK

Analysis Desc: AM4.02 Vapors		Analytical Method: AM4.02 Vapors					
Vinyl Chloride	1.0	Uppmv	1.0	0.095	1	8/16/2011 20:24	SL
1,1-Dichloroethene	0.010	Uppmv	0.010	0.0010	1	8/16/2011 20:24	SL
Methylene Chloride	0.20	Jppmv	2.0	.19	1	8/16/2011 20:24	SL
trans-1,2-Dichloroethene	0.010	Uppmv	0.010	0.0080	1	8/16/2011 20:24	SL
1,1-Dichloroethane	0.020	Uppmv	0.020	0.0040	1	8/16/2011 20:24	SL
cis-1,2-Dichloroethene	0.020	Uppmv	0.020	0.0070	1	8/16/2011 20:24	SL
Chloroform	0.0050	Uppmv	0.0050	0.0010	1	8/16/2011 20:24	SL
1,1,1-Trichloroethane	0.0050	Uppmv	0.0050	0.0010	1	8/16/2011 20:24	SL
Carbon Tetrachloride	0.0050	Uppmv	0.0050	0.0010	1	8/16/2011 20:24	SL
Trichloroethene	0.010	Uppmv	0.010	0.0010	1	8/16/2011 20:24	SL
Tetrachloroethene	0.021	ppmv	0.010	0.0010	1	8/16/2011 20:24	SL

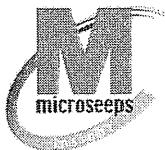
Report ID: 2129 - 98473

Page 9 of 14

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS

Workorder: 2129 MICHIGAN PLAZA M04044

Lab ID: **21290007** Date Received: 8/4/2011 13:38 Matrix: Vapor
Sample ID: **B-7** Date Collected: 7/29/2011 13:20

Parameters	Results Units	RDL	MDL	DF Prepared	By	Analyzed	By	Qual	RegLmt
RISK									
Analysis Desc: AM4.02 Vapors Analytical Method: AM4.02 Vapors									
Vinyl Chloride	1.0 Uppmv	1.0	0.095	1			8/16/2011 21:32	SL	
1,1-Dichloroethene	0.010 Uppmv	0.010	0.0010	1			8/16/2011 21:32	SL	
Methylene Chloride	2.0 Uppmv	2.0	0.19	1			8/16/2011 21:32	SL	
trans-1,2-Dichloroethene	0.010 Uppmv	0.010	0.0080	1			8/16/2011 21:32	SL	
1,1-Dichloroethane	0.020 Uppmv	0.020	0.0040	1			8/16/2011 21:32	SL	
cis-1,2-Dichloroethene	0.020 Uppmv	0.020	0.0070	1			8/16/2011 21:32	SL	
Chloroform	0.0017Jppmv	0.0050	0.0010	1			8/16/2011 21:32	SL	
1,1,1-Trichloroethane	0.0050 Uppmv	0.0050	0.0010	1			8/16/2011 21:32	SL	
Carbon Tetrachloride	0.0050 Uppmv	0.0050	0.0010	1			8/16/2011 21:32	SL	
Trichloroethene	0.010 Uppmv	0.010	0.0010	1			8/16/2011 21:32	SL	
Tetrachloroethene	0.0020Jppmv	0.010	0.0010	1			8/16/2011 21:32	SL	

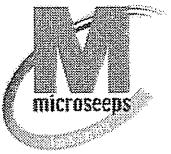
Report ID: 2129 - 98473

Page 10 of 14

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

ANALYTICAL RESULTS QUALIFIERS

Workorder: 2129 MICHIGAN PLAZA M04044

PARAMETER QUALIFIERS

- U Indicates the compound was analyzed for, but not detected.
- J Estimated concentration greater than the set method detection limit (MDL) and less than the set reporting limit (RDL).

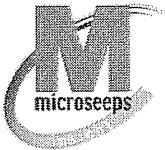
Report ID: 2129 - 98473

Page 11 of 14

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA

Workorder: 2129 MICHIGAN PLAZA M04044

QC Batch: VAP/1090 Analysis Method: AM4.02 Vapors
QC Batch Method: AM4.02 Vapors
Associated Lab Samples: 21290001, 21290002, 21290003, 21290004, 21290005, 21290006, 21290007

METHOD BLANK: 4042

Parameter	Units	Blank	Reporting	
		Result	Limit	Qualifiers
RISK				
1,1-Dichloroethene	ppmv	0.010 U	0.010	
trans-1,2-Dichloroethene	ppmv	0.010 U	0.010	
1,1-Dichloroethane	ppmv	0.020 U	0.020	
cis-1,2-Dichloroethene	ppmv	0.020 U	0.020	
Chloroform	ppmv	0.0050 U	0.0050	
1,1,1-Trichloroethane	ppmv	0.0050 U	0.0050	
Carbon Tetrachloride	ppmv	0.0050 U	0.0050	
Trichloroethene	ppmv	0.010 U	0.010	
Tetrachloroethene	ppmv	0.010 U	0.010	
Parameter	Units	Blank	Reporting	
		Result	Limit	Qualifiers
RISK				
Vinyl Chloride	ppmv	1.0 U	1.0	
Methylene Chloride	ppmv	2.0 U	2.0	

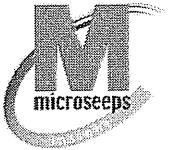
LABORATORY CONTROL SAMPLE & LCSD: 4043 4044

Parameter	Units	Spike	LCS	LCSD	LCS	LCSD	% Rec	% Rec	Max	Max
		Conc.	Result	Result	% Rec	% Rec	Limit	RPD	RPD	Qualifiers
RISK										
1,1-Dichloroethene	ppmv	0.65	0.62	0.62	96	96	75-125	0	20	
trans-1,2-Dichloroethene	ppmv	0.65	0.64	0.64	99	99	75-125	0	20	
1,1-Dichloroethane	ppmv	0.64	0.58	0.56	91	88	75-125	3.4	20	
cis-1,2-Dichloroethene	ppmv		0.020 U	0.020 U						
Chloroform	ppmv	0.53	0.50	0.50	95	94	75-125	1.1	20	
1,1,1-Trichloroethane	ppmv	0.47	0.46	0.46	98	97	75-125	1	20	
Carbon Tetrachloride	ppmv	0.41	0.40	0.40	98	97	75-125	1	20	
Trichloroethene	ppmv	0.48	0.45	0.45	94	94	75-125	0	20	
Tetrachloroethene	ppmv		0.010 U	0.010 U						

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA

Workorder: 2129 MICHIGAN PLAZA M04044

LABORATORY CONTROL SAMPLE & LCSD: 4043 4044

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limit	RPD	Max RPD	Qualifiers
RISK										
Vinyl Chloride	ppmv		1.0 U	1.0 U						
Methylene Chloride	ppmv		0.74J	0.82J						

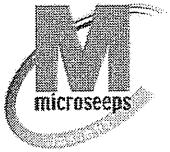
Report ID: 2129 - 98473

Page 13 of 14

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps, Inc
220 William Pitt Way
Pittsburgh, PA 15238
Phone: (412) 826-5245
Fax: (412) 826-3433

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: 2129 MICHIGAN PLAZA M04044

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
21290001	B-1			AM4.02 Vapors	VAP/1090
21290002	B-2			AM4.02 Vapors	VAP/1090
21290003	B-3			AM4.02 Vapors	VAP/1090
21290004	B-4			AM4.02 Vapors	VAP/1090
21290005	B-5			AM4.02 Vapors	VAP/1090
21290006	B-6			AM4.02 Vapors	VAP/1090
21290007	B-7			AM4.02 Vapors	VAP/1090

CERTIFICATE OF ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Microseeps, Inc.





Microseeps
Lab. Proj. #
2129

Microseeps
COC cont. #

CHAIN - OF - CUSTODY RECORD

Phone: (412) 826-5245

Microseeps

Inc. - 220 William Pitt Way - Pittsburgh, PA 15238

Fax No.: (412) 826-3433

Mundell & Associates

10 S. Boundary Ave, Indianapolis, IN 46219
317-635-9060 Fax #: 317-635-9065

Sarah Webb

Michigan Plaza / MoYo99

Sampler's signature:

Company :	Co. Address :	Phone # :	Proj. Manager :	Proj. Name/Number :
<i>Mundell & Associates</i>	10 S. Boundary Ave, Indianapolis, IN 46219	317-635-9060	<i>Sarah Webb</i>	<i>Michigan Plaza / MoYo99</i>

Parameters Requested

Sarah Webb
② Mundell

Invoice to: *Microseeps*
② Mundell

Results to:
② Mundell

Sample ID	Sample Description	Sample Type Water/Vapor solid	Date	Time mm:ss	Remarks
B-1	Vapor	✓	7/24/11	1:55p	2 X
B-2		✓		1:30p	2
B-3		✓		1:35p	2
B-4		✓		1:40p	2
B-5		✓		1:40p	2
B-6		✓		1:55p	2
B-7		✓		1:20p	2 V

Relinquished by :	Company :	Date : Time : Received by :	Company :	Date : Time : Received by :
<i>Mundell</i>	Microseeps	8/11/11 2:00p	<i>Michaelaki</i>	8/11/11 3:42p
<i>Mundell</i>	Microseeps	Date : Time : Received by :	Company :	Date : Time :
<i>Mundell</i>	Microseeps	Date : Time : Received by :	Company :	Date : Time :

APPENDIX B

Air Mitigation Systems: Pounds of Contaminants Removed

APPENDIX B
Air Mitigation System - Historical Air Analytical Results
Michigan Plaza
Indianapolis, Indiana
MUNDELL Project No.: M01046

Sample Date	Perchloroethylene (PCE)											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				(\mu g/m³)			
9/21/2006	0.6300	0.7900	0.6700	0.2800	0.0043	0.0054	0.0046	0.0019	4281.48	5368.84	4553.32	1902.88
10/6/2006	0.8800	0.6700	0.9700	0.3100	0.0060	0.0046	0.0066	0.0021	5980.48	4553.32	6592.12	2106.76
10/13/2006	0.6800	0.3600	0.5200	0.2100	0.0046	0.0024	0.0035	0.0014	4621.28	2446.56	3533.92	1427.16
10/20/2006	0.8700	0.5500	0.8900	0.2200	0.0059	0.0037	0.0060	0.0015	5912.52	3737.80	6048.44	1495.12
11/17/2006	0.8100	0.4700	0.7800	0.1500	0.0055	0.0032	0.0053	0.0010	5504.76	3194.12	5300.88	1019.40
12/27/2006	0.7400	0.4700	0.7500	0.1100	0.0050	0.0032	0.0051	0.0007	5029.04	3194.12	5097.00	747.56
3/30/2007	0.5100	0.1800	0.5700	0.0310	0.0035	0.0012	0.0039	0.0002	3465.96	1223.28	3873.72	210.68
6/15/2007	0.0050	0.3100	0.2100	0.4600	0.0000	0.0021	0.0014	0.0031	33.98	2106.76	1427.16	3126.16
10/16/2007	0.3900	0.2400	0.2800	0.0670	0.0027	0.0016	0.0019	0.0005	2650.44	1631.04	1902.88	455.33
12/14/2007	0.5800	0.3400	0.5200	0.1400	0.0039	0.0023	0.0035	0.0010	3941.68	2310.64	3533.92	951.44
3/27/2008	0.5500	NS	0.5600	0.0740	0.0037	NS	0.0038	0.0005	3737.80	NS	3805.76	502.90
4/1/2008	NS	0.3600	NS	NS	NS	0.0024	NS	NS	2446.56	NS	NS	NS
6/2/2008	0.7200	0.5600	0.4900	0.1000	0.0049	0.0038	0.0033	0.0007	4893.12	3805.76	3330.04	679.60
9/12/2008	0.4800	0.4700	0.5300	0.1300	0.0033	0.0032	0.0036	0.0009	3262.08	3194.12	3601.88	883.48
11/26/2008	0.4600	NS	0.3600	0.1100	0.0031	NS	0.0024	0.0007	3126.16	NS	2446.56	747.56
3/24/2009	0.4500	NS	0.5500	0.0050	0.0031	NS	0.0037	0.00003	3058.20	NS	3737.80	33.98
6/15/2009	0.4300	NS	0.4200	0.0200	0.0029	NS	0.0029	0.0001	2922.28	NS	2854.32	135.92
8/21/2009	0.3600	0.1600	0.4700	0.0140	0.0024	0.0011	0.0032	0.0001	2446.56	1087.36	3194.12	95.14
11/5/2009	0.3300	0.1400	0.4100	0.0050	0.0022	0.0010	0.0028	0.00003	2242.68	951.44	2786.36	33.98
2/5/2010	0.1600	0.0370	0.1400	0.0120	0.0011	0.0003	0.0010	0.0001	1087.36	251.45	951.44	81.55
4/23/2010	0.1300	NS	NS	0.0170	0.0009	NS	NS	0.0001	883.48	NS	NS	115.53
5/6/2010	NS	0.1500	0.2500	NS	NS	0.0010	0.0017	NS	NS	1019.40	1699.00	NS
7/23/2010	0.1500	0.1900	0.1200	0.0050	0.0010	0.0013	0.0008	0.00003	1019.40	1291.24	815.52	33.98
10/13/2010	NS	NS	NS	0.0050	NS	NS	NS	0.00003	NS	NS	NS	33.98
10/15/2010	0.0940	0.0650	0.0050	NS	0.0006	0.0004	0.0000	NS	638.82	441.74	33.98	NS
1/21/2011	0.1400	0.0270	NS	0.0050	0.0010	0.0002	NS	0.00003	951.44	183.49	NS	33.98
4/8/2011	NS	NS	0.2100	NS	NS	NS	0.0014	NS	NS	NS	1427.16	NS
5/11/2011	0.2200	0.2700	0.2100	0.0230	0.0015	0.0018	0.0014	0.0002	1495.12	1834.92	1427.16	156.31
7/29/2011	0.0660	0.1700	0.1100	0.0050	0.0004	0.0012	0.0007	0.00003	448.54	1155.32	1427.16	33.98

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B
Air Mitigation System - Historical Air Analytical Results
Michigan Plaza
Indianapolis, Indiana
MUNDELL Project No.: M01046

Sample Date	Trichloroethylene (TCE)											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				(\mu g/m³)			
9/21/2006	0.0240	0.0120	0.0050	0.0050	0.0001	0.0001	0.00003	0.00003	129.24	64.62	26.93	26.93
10/6/2006	0.0120	0.0050	0.0050	0.0050	0.0001	0.00003	0.00003	0.00003	64.62	26.93	26.93	26.93
10/13/2006	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
10/20/2006	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
11/17/2006	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
12/27/2006	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
3/30/2007	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
6/15/2007	0.4600	0.0050	0.0050	0.0050	0.0025	0.00003	0.00003	0.00003	2,477.10	26.93	26.93	26.93
10/16/2007	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
12/14/2007	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
3/27/2008	0.0050	NS	0.0050	0.0050	0.00003	NS	0.00003	0.00003	26.93	NS	26.93	26.93
4/1/2008	NS	0.0050	NS	NS	NS	0.0000	NS	NS	NS	26.93	NS	NS
6/2/2008	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
9/12/2008	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
11/26/2008	0.0050	NS	0.0050	0.0050	0.00003	NS	0.00003	0.00003	26.93	NS	26.93	26.93
3/24/2009	0.0050	NS	0.0050	0.0050	0.00003	NS	0.00003	0.00003	26.93	NS	26.93	26.93
6/15/2009	0.0050	NS	0.0050	0.0050	0.00003	NS	0.00003	0.00003	26.93	NS	26.93	26.93
8/21/2009	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
11/5/2009	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
2/5/2010	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
4/23/2010	0.0050	NS	NS	0.0050	0.00003	NS	NS	0.00003	26.93	NS	NS	26.93
5/6/2010	NS	0.0050	0.0050	NS	NS	0.00003	0.00003	NS	NS	26.93	26.93	NS
7/23/2010	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
10/13/2010	NS	NS	NS	0.0050	NS	NS	NS	0.00003	NS	NS	NS	26.93
10/15/2010	0.0050	0.0050	0.0050	NS	0.00003	0.00003	0.00003	NS	26.93	26.93	26.93	NS
1/21/2011	0.0050	0.0050	NS	0.0050	0.00003	0.00003	NS	0.00003	26.93	26.93	NS	26.93
4/8/2011	NS	NS	0.0050	NS	NS	NS	0.00003	NS	NS	NS	26.93	NS
5/11/2011	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93
7/29/2011	0.0050	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	0.00003	26.93	26.93	26.93	26.93

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B
Air Mitigation System - Historical Air Analytical Results
Michigan Plaza
Indianapolis, Indiana
MUNDELL Project No.: M01046

Sample Date	Vinyl Chloride											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				(\mu g/m³)			
9/21/2006	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
10/6/2006	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
10/13/2006	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
10/20/2006	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
11/17/2006	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
12/27/2006	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
3/30/2007	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
6/15/2007	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
10/16/2007	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
12/14/2007	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
3/27/2008	0.0150	NS	0.0150	0.0150	0.00004	NS	0.00004	0.00004	38.42	NS	38.42	38.42
4/1/2008	NS	0.0150	NS	NS	NS	0.00004	NS	NS	NS	38.42	NS	NS
6/2/2008	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
9/12/2008	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
11/26/2008	0.0150	NS	0.0150	0.0150	0.00004	NS	0.00004	0.00004	38.42	NS	38.42	38.42
3/24/2009	0.0150	NS	0.0150	0.0150	0.00004	NS	0.00004	0.00004	38.42	NS	38.42	38.42
6/15/2009	0.0150	NS	0.0150	0.0150	0.00004	NS	0.00004	0.00004	38.42	NS	38.42	38.42
8/21/2009	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
11/5/2009	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
2/5/2010	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
4/23/2010	0.0150	NS	NS	0.0150	0.00004	NS	NS	0.00004	38.42	NS	NS	38.42
5/6/2010	NS	0.0150	0.0150	NS	NS	0.00004	0.00004	NS	NS	38.42	38.42	NS
7/23/2010	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
10/13/2010	NS	NS	NS	0.0150	NS	NS	NS	0.00004	NS	NS	NS	38.42
10/15/2010	0.0150	0.0150	0.0150	NS	0.00004	0.00004	0.00004	NS	38.42	38.42	38.42	NS
1/21/2011	0.0150	0.0150	NS	0.0150	0.00004	0.00004	NS	0.00004	38.42	38.42	NS	38.42
4/8/2011	NS	NS	0.0150	NS	NS	NS	0.0000	NS	NS	NS	38.42	NS
5/11/2011	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42
7/29/2011	0.0150	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	0.00004	38.42	38.42	38.42	38.42

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B
Air Mitigation System - Historical Air Analytical Results
Michigan Plaza
Indianapolis, Indiana
MUNDELL Project No.: M01046

Sample Date	cis-1,2-Dichloroethylene											
	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4	B-1	B-2	B-3	B-4
	(ppmv)				(ppm)				(\mu g/m³)			
9/21/2006	0.1400	0.0100	0.0100	0.0100	0.0006	0.00004	0.00004	0.00004	556.22	39.73	39.73	39.73
10/6/2006	0.0300	0.0100	0.0100	0.0100	0.0001	0.00004	0.00004	0.00004	119.19	39.73	39.73	39.73
10/13/2006	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
10/20/2006	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
11/17/2006	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
12/27/2006	0.0240	0.0100	0.0100	0.0100	0.0001	0.00004	0.00004	0.00004	95.35	39.73	39.73	39.73
3/30/2007	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
6/15/2007	0.2100	0.0100	0.0100	0.0100	0.0008	0.00004	0.00004	0.00004	834.33	39.73	39.73	39.73
10/16/2007	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
12/14/2007	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
3/27/2008	0.0340	NS	0.0100	0.0100	0.0001	NS	0.00004	0.00004	135.08	NS	39.73	39.73
4/1/2008	NS	0.0100	NS	NS	NS	0.00004	NS	NS	NS	39.73	NS	NS
6/2/2008	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
9/12/2008	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
11/26/2008	0.0100	NS	0.0100	0.0100	0.00004	NS	0.00004	0.00004	39.73	NS	39.73	39.73
3/24/2009	0.0100	NS	0.0100	0.0100	0.00004	NS	0.00004	0.00004	39.73	NS	39.73	39.73
6/15/2009	0.0100	NS	0.0100	0.0100	0.00004	NS	0.00004	0.00004	39.73	NS	39.73	39.73
8/21/2009	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
11/5/2009	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
2/5/2010	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
4/23/2010	0.0100	NS	NS	0.0100	0.00004	NS	NS	0.00004	39.73	NS	NS	39.73
5/6/2010	NS	0.0100	0.0100	NS	NS	0.00004	0.00004	NS	NS	39.73	39.73	NS
7/23/2010	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
10/13/2010	NS	NS	NS	0.0100	NS	NS	NS	0.00004	NS	NS	NS	39.73
10/15/2010	0.0100	0.0100	0.0100	NS	0.00004	0.00004	0.00004	NS	39.73	39.73	39.73	NS
1/21/2011	0.0100	0.0100	NS	0.0100	0.00004	0.00004	NS	0.00004	39.73	39.73	NS	39.73
4/8/2011	NS	NS	0.0500	NS	NS	NS	0.0002	NS	NS	NS	198.65	NS
5/11/2011	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73
7/29/2011	0.0100	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	0.00004	39.73	39.73	39.73	39.73

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B
Air Mitigation System - Historical Air Analytical Results
Michigan Meadows Apartments
Indianapolis, Indiana
MUNDELL Project No.: M01046

Sample Date	Perchloroethylene (PCE)								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			(µg/m³)		
3/27/2008	0.1300	1.2000	NS	0.0009	0.0082	NS	883.48	8155.20	NS
3/28/2008	0.0730	0.4900	NS	0.0005	0.0033	NS	496.11	3330.04	NS
4/7/2008	NS	NS	0.0760	NS	NS	0.0005	NS	NS	516.50
4/8/2008	NS	NS	0.0470	NS	NS	0.0003	NS	NS	319.41
4/24/2008	0.0540	0.1100	0.0220	0.0004	0.0007	0.0001	366.98	747.56	149.51
5/1/2008	0.0580	0.2100	0.0390	0.0004	0.0014	0.0003	394.17	1427.16	265.04
6/2/2008	0.0590	0.2200	0.0530	0.0004	0.0015	0.0004	400.96	1495.12	360.19
7/10/2008	0.0650	NS	0.0540	0.0004	NS	0.0004	441.74	NS	366.98
8/20/2008	NS	0.2700	NS	NS	0.0018	NS	NS	1834.92	NS
9/12/2008	0.0690	0.1800	0.0540	0.0005	0.0012	0.0004	468.92	1223.28	366.98
11/26/2008	0.0720	0.1100	0.0560	0.0005	0.0007	0.0004	489.31	747.56	380.58
3/24/2009	0.2100	0.1300	0.0590	0.0014	0.0009	0.0004	1427.16	883.48	400.96
6/15/2009	0.0580	0.0840	<i>0.0050</i>	0.0004	0.0006	<i>0.00003</i>	394.17	570.86	33.98
8/21/2009	0.0630	0.0710	<i>0.0050</i>	0.0004	0.0005	<i>0.00003</i>	428.15	482.52	33.98
11/5/2009	0.1300	0.1100	<i>0.0050</i>	0.0009	0.0007	<i>0.00003</i>	883.48	747.56	33.98
2/5/2010	0.0220	0.0800	<i>0.0050</i>	0.0001	0.0005	<i>0.00003</i>	149.51	543.68	33.98
2/6/2010	0.0220	0.0800	<i>0.0050</i>	0.0001	0.0005	<i>0.00003</i>	149.51	543.68	33.98
4/23/2010	0.0120	NS	<i>0.0050</i>	0.0001	NS	<i>0.00003</i>	81.55	NS	33.98
5/12/2010	NS	0.1300	NS	NS	0.0009	NS	NS	883.48	NS
7/23/2010	0.0270	0.1000	<i>0.0050</i>	0.0002	0.0007	<i>0.00003</i>	183.49	679.60	33.98
10/15/2010	0.0150	0.0190	<i>0.0050</i>	0.0001	0.0001	<i>0.00003</i>	101.94	129.12	33.98
1/21/2011	0.0330	0.0490	<i>0.0050</i>	0.0002	0.0003	<i>0.00003</i>	224.27	333.00	33.98
5/11/2011	0.0580	0.0610	<i>0.0050</i>	0.0004	0.0004	<i>0.00003</i>	394.17	414.56	33.98
7/29/2011	0.0220	0.0210	<i>0.0050</i>	0.0001	0.0001	<i>0.00003</i>	149.51	142.72	33.98

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B
Air Mitigation System - Historical Air Analytical Results
Michigan Meadows Apartments
Indianapolis, Indiana
MUNDELL Project No.: M01046

Sample Date	Trichloroethylene (TCE)								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu\text{g}/\text{m}^3$)		
3/27/2008	0.0050	0.0050	NS	0.00003	0.00003	NS	26.93	26.93	NS
3/28/2008	0.0050	0.0050	NS	0.00003	0.00003	NS	26.93	26.93	NS
4/7/2008	NS	NS	0.0050	NS	NS	0.00003	NS	NS	26.93
4/8/2008	NS	NS	0.0050	NS	NS	0.00003	NS	NS	26.93
4/24/2008	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
5/1/2008	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
6/2/2008	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
7/10/2008	0.0050	NS	0.0050	0.00003	NS	0.00003	26.93	NS	26.93
8/20/2008	NS	0.0050	NS	NS	0.00003	NS	NS	26.93	NS
9/12/2008	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
11/26/2008	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
3/24/2009	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
6/15/2009	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
8/21/2009	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
11/5/2009	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
2/5/2010	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
2/6/2010	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
4/23/2010	0.0050	NS	0.0050	0.00003	NS	0.00003	26.93	NS	26.93
5/12/2010	NS	0.0050	NS	NS	0.00003	NS	NS	26.93	NS
7/23/2010	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
10/15/2010	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
1/21/2011	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
5/11/2011	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93
7/29/2011	0.0050	0.0050	0.0050	0.00003	0.00003	0.00003	26.93	26.93	26.93

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B
Air Mitigation System - Historical Air Analytical Results
Michigan Meadows Apartments
Indianapolis, Indiana
MUNDELL Project No.: M01046

Sample Date	Vinyl Chloride								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu\text{g}/\text{m}^3$)		
3/27/2008	0.0150	0.0150	NS	0.00004	0.00004	NS	38.42	38.42	NS
3/28/2008	0.0150	0.0150	NS	0.00004	0.00004	NS	38.42	38.42	NS
4/7/2008	NS	NS	0.0150	NS	NS	0.00004	NS	NS	38.42
4/8/2008	NS	NS	0.0150	NS	NS	0.00004	NS	NS	38.42
4/24/2008	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
5/1/2008	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
6/2/2008	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
7/10/2008	0.0150	NS	0.0150	0.00004	NS	0.00004	38.42	NS	38.42
8/20/2008	NS	0.0150	NS	NS	0.00004	NS	NS	38.42	NS
9/12/2008	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
11/26/2008	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
3/24/2009	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
6/15/2009	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
8/21/2009	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
11/5/2009	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
2/5/2010	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
2/6/2010	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
4/23/2010	0.0150	NS	0.0150	0.00004	NS	0.00004	38.42	NS	38.42
5/12/2010	NS	0.0150	NS	NS	0.00004	NS	NS	38.42	NS
7/23/2010	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
10/15/2010	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
1/21/2011	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
5/11/2011	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42
7/29/2011	0.0150	0.0150	0.0150	0.00004	0.00004	0.00004	38.42	38.42	38.42

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

APPENDIX B
Air Mitigation System - Historical Air Analytical Results
Michigan Meadows Apartments
Indianapolis, Indiana
MUNDELL Project No.: M01046

Sample Date	cis-1,2-Dichloroethylene								
	B-5	B-6	B-7	B-5	B-6	B-7	B-5	B-6	B-7
	(ppmv)			(ppm)			($\mu\text{g}/\text{m}^3$)		
3/27/2008	0.0100	0.0100	NS	0.00004	0.00004	NS	39.73	39.73	NS
3/28/2008	0.0100	0.0100	NS	0.00004	0.00004	NS	39.73	39.73	NS
4/7/2008	NS	NS	0.0100	NS	NS	0.00004	NS	NS	39.73
4/8/2008	NS	NS	0.0100	NS	NS	0.00004	NS	NS	39.73
4/24/2008	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
5/1/2008	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
6/2/2008	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
7/10/2008	0.0100	NS	0.0100	0.00004	NS	0.00004	39.73	NS	39.73
8/20/2008	NS	0.0100	NS	NS	0.00004	NS	NS	39.73	NS
9/12/2008	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
11/26/2008	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
3/24/2009	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
6/15/2009	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
8/21/2009	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
11/5/2009	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
2/5/2010	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
2/6/2010	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
4/23/2010	0.0100	NS	0.0100	0.00004	NS	0.00004	39.73	NS	39.73
5/12/2010	NS	0.0100	NS	NS	0.00004	NS	NS	39.73	NS
7/23/2010	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
10/15/2010	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
1/21/2011	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
5/11/2011	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73
7/29/2011	0.0100	0.0100	0.0100	0.00004	0.00004	0.00004	39.73	39.73	39.73

NS = Not sampled

Italic = Reported concentrations are estimated values (J-flagged values) or below laboratory detection limits. Concentrations of PCE, TCE, and cis-1,2-DCE are assumed to be one-half the laboratory practical quantitation limit (PQL). Concentrations of vinyl chloride are assumed to be 0.015 ppmv, representing the mean detected concentration below laboratory reporting limits.

Lab Data for Air Mitigation System B-1
Third Quarter 2011
7/29/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-1 (Lab Data)													B-1 (PID Readings)									
Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m³ PCE	Lbs. PCE removed	µg/m³ TCE	Lbs. TCE removed	µg/m³ VC	Lbs. VC removed	µg/m³ cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed (ug/m³)	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed	Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m³ VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
9/21/2006	0.5	73	2,190	4,281	0.00	129	0.00	38	0.00	556	0.00	0.00	0.00	0.00	11/17/2006	672	73	2,943,360	0.1	1,483	0.27	0.27
10/6/2006	360	73	1,576,800	5,980	0.59	65	0.01	38	0.00	119	0.01	0.61	0.59	0.61	12/27/2006	960	73	4,204,800	0.0	1,296	0.34	0.61
10/13/2006	168	73	735,840	4,621	0.21	27	0.00	38	0.00	40	0.00	0.22	0.80	0.83	6/15/2007	4,080	73	17,870,400	0.1	1,483	1.65	2.26
10/20/2006	168	73	735,840	5,913	0.27	27	0.00	38	0.00	40	0.00	0.28	1.07	1.10	10/16/2007	2,952	73	12,929,760	0.1	1,483	1.20	3.46
11/17/2006	672	73	2,943,360	5,505	1.01	27	0.00	38	0.01	40	0.01	1.03	2.08	2.13	12/14/2007	1,416	73	6,202,080	0.1	1,483	0.57	4.03
12/27/2006	960	73	4,204,800	5,029	1.32	27	0.01	38	0.01	95	0.03	1.36	3.40	3.50	6/2/2008	4,104	73	17,975,520	2.2	5,401	6.06	10.09
3/30/2007	2,232	73	9,776,160	3,466	2.11	27	0.02	38	0.02	40	0.02	2.18	5.52	5.67	9/12/2008	2,448	73	10,722,240	0.3	1,856	1.24	11.33
6/15/2007	1,848	73	8,094,240	34	0.02	2,477	1.25	38	0.02	834	0.42	1.71	5.53	7.38	11/26/2008	1,800	73	7,884,000	0.1	1,483	0.73	12.06
10/16/2007	2,952	73	12,929,760	2,650	2.14	27	0.02	38	0.03	40	0.03	2.22	7.67	9.60	8/21/2009	6,432	73	28,172,160	3.8	8,387	14.74	26.80
12/14/2007	1,416	73	6,202,080	3,942	1.52	27	0.01	38	0.01	40	0.02	1.57	9.20	11.17	11/5/2009	1,824	73	7,989,120	2.1	5,215	2.60	29.40
3/27/2008	2,496	73	10,932,480	3,738	2.55	27	0.02	38	0.03	135	0.09	2.69	11.74	13.86	2/5/2010	2,208	73	9,671,040	2.3	5,588	3.37	32.77
6/2/2008	1,608	73	7,043,040	4,893	2.15	27	0.01	38	0.02	40	0.02	2.20	13.89	16.05	5/6/2010	2,160	55	7,128,000	2.2	5,401	2.40	35.17
9/12/2008	2,448	73	10,722,240	3,262	2.18	27	0.02	38	0.03	40	0.03	2.25	16.08	18.30	10/15/2010	3,888	73	17,029,440	2.0	5,028	5.34	40.51
11/26/2008	1,800	73	7,884,000	3,126	1.54	27	0.01	38	0.02	40	0.02	1.59	17.61	19.89	1/21/2011	2,352	55	7,761,600	1.9	4,841	2.34	42.86
3/24/2009	2,832	73	12,404,160	3,058	2.37	27	0.02	38	0.03	40	0.03	2.45	19.98	22.34	5/11/2011	2,640	73	11,563,200	1.9	4,841	3.49	46.35
6/15/2009	1,992	73	8,724,960	2,922	1.59	27	0.01	38	0.02	40	0.02	1.65	21.57	23.99	7/29/2011	1,896	73	8,304,480	1.1	3,349	1.73	48.08
8/21/2009	1,608	73	7,043,040	2,447	1.07	27	0.01	38	0.02	40	0.02	1.12	22.65	25.11	TOTALS:	39,936		178,351,200		48.08		
11/5/2009	1,824	73	7,989,120	2,243	1.12	27	0.01	38	0.02	40	0.02	1.17	23.76	26.28								
2/5/2010	2,208	73	9,671,040	1,087	0.66	27	0.02	38	0.02	40	0.02	0.72	24.42	27.00								
4/23/2010	1,848	55	6,098,400	883	0.34	27	0.01	38	0.01	40	0.02	0.38	24.75	27.37								
7/23/2010	2,184	55	7,207,200	1,019	0.46	27	0.01	38	0.02	40	0.02	0.51	25.21	27.88								
10/15/2010	2,016	73	8,830,080	639	0.35	27	0.01	38	0.02	40	0.02	0.41	25.57	28.29								
1/21/2011	2,352	55	7,761,600	951	0.46	27	0.01	38	0.02	40	0.02	0.51	26.03	28.80								
5/11/2011	2,640	73	11,563,200	1,495	1.08	27	0.02	38	0.03	40	0.03	1.15	27.10	29.95								
7/29/2011	1,896	73	8,304,480	449	0.23	27	0.01	38	0.02	40	0.02	0.29	27.34	30.24								
TOTALS:	40,632		179,380,110		27.10		1.53		0.41		0.91		29.95									

Lab Data for Air Mitigation System B-2
Third Quarter 2011
7/29/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

B-2 (Lab Data)														B-2 (PID Readings)							
Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m³ PCE removed	µg/m³ TCE	Lbs. TCE removed	µg/m³ VC	Lbs. VC removed	µg/m³ cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed	Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m³ VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
9/21/2006	0.5	37	1,110	5,369	0.00	65	0.00	38	0.00	40	0.00	0.00	0.00	11/17/2006	672.0	37	1,491,840	0.1	1,483	0.14	0.14
10/6/2006	360	37	799,200	4,553	0.23	27	0.00	38	0.00	40	0.00	0.23	0.23	12/27/2006	960	37	2,131,200	0.1	1,483	0.20	0.34
10/13/2006	168	37	372,960	2,447	0.06	27	0.00	38	0.00	40	0.00	0.06	0.28	6/15/2007	4,080	37	9,057,600	0.1	1,483	0.84	1.17
10/20/2006	168	37	372,960	3,738	0.09	27	0.00	38	0.00	40	0.00	0.09	0.37	10/16/2007	2,952	37	6,553,440	0.1	1,483	0.61	1.78
11/17/2006	672	37	1,491,840	3,194	0.30	27	0.00	38	0.00	40	0.00	0.31	0.67	12/14/2007	1,416	55	4,672,800	0.1	1,483	0.43	2.21
12/27/2006	960	37	2,131,200	3,194	0.42	27	0.00	38	0.01	40	0.01	0.44	1.09	6/2/2008	4,104	132	32,503,680	1.5	4,095	8.30	10.51
3/30/2007	2,232	38	5,088,960	1,223	0.39	27	0.01	38	0.01	40	0.01	0.42	1.48	9/12/2008	2,448	37	5,434,560	0.5	2,229	0.76	11.27
6/15/2007	1,848	42	4,656,960	2,107	0.61	27	0.01	38	0.01	40	0.01	0.64	2.09	8/21/2009	8,232	55	27,165,600	2.4	5,774	9.79	21.05
10/16/2007	2,952	48	8,501,760	1,631	0.86	27	0.01	38	0.02	40	0.02	0.92	2.96	11/5/2009	1,824	94	10,287,360	1.6	4,282	2.75	23.80
12/14/2007	1,416	53	4,502,880	2,311	0.65	27	0.01	38	0.01	40	0.01	0.68	3.61	2/5/2010	2,208	55	7,286,400	0.6	2,416	1.10	24.90
4/1/2008	2,616	50	7,848,000	2,447	1.20	27	0.01	38	0.02	40	0.02	1.25	4.81	5/6/2010	2,160	37	4,795,200	1.4	3,908	1.17	26.07
6/2/2008	1,488	42	3,705,120	3,806	0.88	27	0.01	38	0.01	40	0.01	0.90	5.68	10/15/2010	3,888	55	12,830,400	3.2	7,267	5.82	31.89
9/12/2008	2,448	37	5,434,560	3,194	1.08	27	0.01	38	0.01	40	0.01	1.12	6.77	1/21/2011	2,352	55	7,761,600	1.4	3,908	1.89	33.78
8/21/2009	1,440	37	3,196,800	1,087	0.22	27	0.01	38	0.01	40	0.01	0.24	6.98	5/11/2011	2,640	37	5,860,800	1.6	4,282	1.57	35.34
11/5/2009	1,824	37	4,049,280	951	0.24	27	0.01	38	0.01	40	0.01	0.27	7.22	7/29/2011	1,896	37	4,209,120	1.7	4,468	1.2	36.52
2/5/2010	2,208	55	7,286,400	251	0.11	27	0.01	38	0.02	40	0.02	0.16	7.34	7.73	TOTALS:	39,936	142,041,600		36.52		
5/6/2010	2,160	37	4,795,200	1,019	0.30	27	0.01	38	0.01	40	0.01	0.34	7.64	8.06							
7/23/2010	1,872	37	4,155,840	1,291	0.33	27	0.01	38	0.01	40	0.01	0.36	7.98	8.43							
10/15/2010	2,016	55	6,652,800	442	0.18	27	0.01	38	0.02	40	0.02	0.23	8.16	8.65							
1/21/2011	4,368	55	14,414,400	183	0.16	27	0.02	38	0.03	40	0.04	0.26	8.14	8.69							
5/11/2011	2,640	37	5,860,800	1,835	0.67	27	0.01	38	0.01	40	0.01	0.71	8.81	9.40							
7/29/2011	1,896	37	4,209,120	1,155	0.30	27	0.01	38	0.01	40	0.01	0.33	9.12	9.73							
TOTALS:	35,857		99,528,150		9.00		0.16		0.23		0.24		9.62								

Lab Data for Air Mitigation System B-3

Third Quarter 2011

7/29/2011

Michigan Plaza

3801-3823 West Michigan Street

Indianapolis, Indiana

MUNDELL Project No.: M01046

B-3 (Lab Data)													B-3 (PID Readings)									
Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m³ PCE	Lbs. PCE removed	µg/m³ TCE	Lbs. TCE removed	µg/m³ VC	Lbs. VC removed	µg/m³ cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed	Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m³ VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
9/21/2006	0.5	132	3,960	4,553	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00	11/17/2006	672	132	5,322,240	2.0	5,028	1.67	1.67
10/6/2006	360	132	2,851,200	6,592	1.17	27	0.00	38	0.01	40	0.01	1.19	1.17	1.19	12/27/2006	960	132	7,603,200	0.1	1,483	0.70	2.37
10/13/2006	168	132	1,330,560	3,534	0.29	27	0.00	38	0.00	40	0.00	0.30	1.47	1.49	6/15/2007	4,080	132	32,313,600	0.1	1,483	2.99	5.36
10/20/2006	168	132	1,330,560	6,048	0.50	27	0.00	38	0.00	40	0.00	0.51	1.97	2.01	10/16/2007	2,952	132	23,379,840	0.1	1,483	2.16	7.52
11/17/2006	672	132	5,322,240	5,301	1.76	27	0.01	38	0.01	40	0.01	1.79	3.73	3.80	12/14/2007	1,416	132	11,214,720	0.1	1,483	1.04	8.56
12/27/2006	960	132	7,603,200	5,097	2.42	27	0.01	38	0.02	40	0.02	2.47	6.15	6.27	6/2/2008	4,104	55	13,543,200	1.2	3,535	2.99	11.55
3/30/2007	2,232	132	17,677,440	3,874	4.27	27	0.03	38	0.04	40	0.04	4.39	10.42	10.65	9/12/2008	2,448	132	19,388,160	0.5	2,229	2.70	14.24
6/15/2007	1,848	132	14,636,160	1,427	1.30	27	0.02	38	0.04	40	0.04	1.40	11.72	12.05	11/26/2008	1,800	132	14,256,000	0.8	2,789	2.48	16.72
10/16/2007	2,952	132	23,379,840	1,903	2.78	27	0.04	38	0.06	40	0.06	2.93	14.50	14.98	8/21/2009	6,432	132	50,941,440	0.0	1,296	4.12	20.84
12/14/2007	1,416	132	11,214,720	3,534	2.47	27	0.02	38	0.03	40	0.03	2.55	16.97	17.53	11/5/2009	1,824	132	14,446,080	1.8	4,655	4.19	25.04
3/27/2008	2,496	132	19,768,320	3,806	4.69	27	0.03	38	0.05	40	0.05	4.82	21.66	22.35	2/5/2010	2,208	132	17,487,360	1.5	4,095	4.47	29.50
6/2/2008	1,608	132	12,735,360	3,330	2.65	27	0.02	38	0.03	40	0.03	2.73	24.31	25.08	5/6/2010	2,160	132	17,107,200	1.7	4,468	4.77	34.27
9/12/2008	2,448	132	19,388,160	3,602	4.36	27	0.03	38	0.05	40	0.05	4.48	28.66	29.56	10/15/2010	3,888	132	30,792,960	0.1	1,483	2.85	37.12
11/26/2008	1,800	132	14,256,000	2,447	2.18	27	0.02	38	0.03	40	0.04	2.27	30.84	31.83	1/21/2011	6,240	132	49,420,800	1.4	3,908	12.05	49.17
3/24/2009	2,832	132	22,429,440	3,738	5.23	27	0.04	38	0.05	40	0.06	5.38	36.07	37.21	4/8/2011	4,200	132	33,264,000	2.4	5,774	11.98	61.15
6/15/2009	1,992	132	15,776,640	2,854	2.81	27	0.03	38	0.04	40	0.04	2.91	38.88	40.12	5/11/2011	2,640	132	20,908,800	1.2	3,535	4.61	65.76
8/21/2009	1,608	132	12,735,360	3,194	2.54	27	0.02	38	0.03	40	0.03	2.62	41.41	42.74	7/29/2011	2,688	134	21,611,520	1.3	3,722	5.0	70.78
11/5/2009	1,824	132	14,446,080	2,786	2.51	27	0.02	38	0.03	40	0.04	2.61	43.93	45.35	TOTALS:	48,024		383,001,120		70.78		
2/5/2010	2,208	132	17,487,360	951.44	1.04	26.93	0.03	38	0.04	40	0.04	1.15	44.96	46.50								
5/6/2010	2,160	132	17,107,200	1,699	1.81	27	0.03	38	0.04	40	0.04	1.93	46.78	48.42								
7/23/2010	1,872	132	14,826,240	816	0.75	27	0.02	38	0.04	40	0.04	0.85	47.53	49.28								
10/15/2010	2,016	132	15,966,720	34	0.03	27	0.03	38	0.04	40	0.04	0.14	47.56	49.41								
1/21/2011	4,368	132	34,594,560	NS	0.00	NS	0.00	NS	0.00	NS	0.00	0.00	47.56	49.41								
4/8/2011	4,200	132	33,264,000	1,427	2.96	27	0.06	38	0.08	199	0.41	3.51	50.53	52.92								
5/11/2011	2,640	132	20,908,800	1,427	1.86	27	0.04	38	0.05	40	0.05	2.00	52.39	54.92								
7/29/2011	2,688	132	21,288,960	1,427	1.90	27	0.04	38	0.05	40	0.05	2.03	54.28	56.96								
TOTALS:	46,849		371,040,120		52.39		0.57		0.81		1.16		54.92									

Lab Data for Air Mitigation System B-4

Third Quarter 2011

7/29/2011

Michigan Plaza

3801-3823 West Michigan Street

Indianapolis, Indiana

MUNDELL Project No.: M01046

B-4 (Lab Data)													B-4 (PID Readings)								
Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m³ PCE removed	µg/m³ TCE	Lbs. TCE removed	µg/m³ VC	Lbs. VC removed	µg/m³ cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed	Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m³ VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
9/21/2006	0.5	132	3,960	1,903	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	11/17/2006	672	132	5,322,240	0.1	1,483	0.49	0.49
10/6/2006	360	132	2,851,200	2,107	0.37	27	0.00	38	0.01	40	0.01	0.39	0.38	12/27/2006	960	132	7,603,200	0.1	1,483	0.70	1.20
10/13/2006	168	132	1,330,560	1,427	0.12	27	0.00	38	0.00	40	0.00	0.13	0.49	6/15/2007	4,080	132	32,313,600	0.1	1,483	2.99	4.18
10/20/2006	168	132	1,330,560	1,495	0.12	27	0.00	38	0.00	40	0.00	0.13	0.62	10/16/2007	2,952	132	23,379,840	0.1	1,483	2.16	6.35
11/17/2006	672	132	5,322,240	1,019	0.34	27	0.01	38	0.01	40	0.01	0.37	0.96	12/14/2007	1,416	132	11,214,720	0.1	1,483	1.04	7.38
12/27/2006	960	132	7,603,200	748	0.35	27	0.01	38	0.02	40	0.02	0.40	1.31	3/29/2008	2,544	132	20,148,480	1.8	4,655	5.85	13.23
3/30/2007	2,232	130	17,342,640	211	0.23	27	0.03	38	0.04	40	0.04	0.34	1.54	6/2/2008	1,560	132	12,355,200	0.3	1,856	1.43	14.66
6/15/2007	1,848	125	13,887,720	3,126	2.71	27	0.02	38	0.03	40	0.03	2.80	4.25	9/12/2008	2,448	132	19,388,160	0.4	2,042	2.47	17.13
10/16/2007	2,952	128	22,627,080	455	0.64	27	0.04	38	0.05	40	0.06	0.79	4.89	11/26/2008	1,800	132	14,256,000	0.1	1,483	1.32	18.45
12/14/2007	1,416	132	11,214,720	951	0.67	27	0.02	38	0.03	40	0.03	0.74	5.56	8/21/2009	6,432	115	44,380,800	0.0	1,296	3.59	22.04
3/27/2008	2,496	128	19,094,400	503	0.60	27	0.03	38	0.05	40	0.05	0.72	6.15	11/6/2009	1,848	132	14,636,160	0.4	2,042	1.86	23.90
6/2/2008	1,608	119	11,481,120	680	0.49	27	0.02	38	0.03	40	0.03	0.56	6.64	2/5/2010	2,184	132	17,297,280	0.6	2,416	2.61	26.51
9/12/2008	2,448	132	19,388,160	883	1.07	27	0.03	38	0.05	40	0.05	1.20	7.71	4/23/2010	1,848	115	12,751,200	0.9	2,975	2.37	28.88
11/26/2008	1,800	132	14,256,000	748	0.66	27	0.02	38	0.03	40	0.04	0.76	8.37	10/15/2010	4,200	115	28,980,000	0.5	2,229	4.03	32.91
3/24/2009	2,832	132	22,429,440	34	0.05	27	0.04	38	0.05	40	0.06	0.19	8.42	1/21/2011	2,352	132	18,627,840	0.2	1,669	1.94	34.85
6/15/2009	1,992	132	15,776,640	136	0.13	27	0.03	38	0.04	40	0.04	0.24	8.56	5/11/2011	2,640	132	20,908,800	0.1	1,483	1.93	36.78
8/21/2009	1,608	132	12,735,360	95	0.08	27	0.02	38	0.03	40	0.03	0.16	8.63	7/29/2011	1,896	115	13,082,400	0.4	2,042	1.7	38.45
11/5/2009	1,824	132	14,446,080	34	0.03	27	0.02	38	0.03	40	0.04	0.13	8.66	TOTALS:	39,936		316,645,920			38.45	
2/5/2010	2,208	132	17,487,360	82	0.09	27	0.03	38	0.04	40	0.04	0.20	8.75	10/26/2011	1,896	115	13,082,400	0.4	2,042	1.7	38.45
4/23/2010	1,848	115	12,751,200	116	0.09	27	0.02	38	0.03	40	0.03	0.18	8.84	11/29/2011	1,896	115	13,082,400	0.4	2,042	1.7	38.45
7/23/2010	2,184	115	15,069,600	34	0.03	27	0.03	38	0.04	40	0.04	0.13	8.87	12/27/2011	1,896	115	13,082,400	0.4	2,042	1.7	38.45
10/13/2010	1,968	115	13,579,200	34	0.03	27	0.02	38	0.03	40	0.03	0.12	8.90	1/29/2012	1,896	115	13,082,400	0.4	2,042	1.7	38.45
1/21/2011	2,400	132	19,008,000	34	0.04	27	0.03	38	0.05	40	0.05	0.16	8.94	2/26/2012	1,896	115	13,082,400	0.4	2,042	1.7	38.45
5/11/2011	2,640	132	20,908,800	156	0.20	27	0.04	38	0.05	40	0.05	0.34	9.15	3/29/2012	1,896	115	13,082,400	0.4	2,042	1.7	38.45
7/29/2011	1,896	115	13,082,400	34	0.03	27	0.02	38	0.03	40	0.03	0.11	9.18	4/26/2012	1,896	115	13,082,400	0.4	2,042	1.7	38.45
TOTALS:	40,633		325,007,640		9.15		0.52		0.75		0.77		11.19								

Lab Data for Air Mitigation System B-5

Third Quarter 2011

7/29/2011

Michigan Plaza

3801-3823 West Michigan Street

Indianapolis, Indiana

MUNDELL Project No.: M01046

B-5 (Lab Data)														B-5 (PID Readings)								
Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m³ PCE	Lbs. PCE removed	µg/m³ TCE	Lbs. TCE removed	µg/m³ VC	Lbs. VC removed	µg/m³ cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed	Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m³ VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
3/27/2008	0.5	130	3,900	883	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00	3/29/2008	50	110	330,000	0.1	1,483	0.03	0.03
3/28/2008	24	127	182,880	496	0.01	27	0.00	38	0.00	40	0.00	0.01	0.01	0.01	6/2/2008	1,560	130	12,168,000	0.2	1,669	1.27	1.30
4/24/2008	648	120	4,665,600	367	0.11	27	0.01	38	0.01	40	0.01	0.14	0.11	0.14	7/10/2008	912	110	6,019,200	0.7	2,602	0.98	2.27
5/1/2008	168	115	1,159,200	394	0.03	27	0.00	38	0.00	40	0.00	0.04	0.14	0.18	9/12/2008	1,536	130	11,980,800	0.1	1,483	1.11	3.38
6/2/2008	768	114	5,253,120	401	0.13	27	0.01	38	0.01	40	0.01	0.17	0.27	0.35	11/26/2008	1,800	130	14,040,000	0.1	1,483	1.30	4.68
7/10/2008	912	115	6,292,800	442	0.17	27	0.01	38	0.02	40	0.02	0.21	0.45	0.56	8/21/2009	6,432	130	50,169,600	0.0	1,296	4.06	8.74
9/12/2008	1,536	114	10,506,240	469	0.31	27	0.02	38	0.03	40	0.03	0.38	0.75	0.94	11/5/2009	1,824	130	14,227,200	0.2	1,669	1.48	10.22
11/26/2008	1,800	113	12,204,000	489	0.37	27	0.02	38	0.03	40	0.03	0.45	1.13	1.39	2/5/2010	2,208	110	14,581,440	0.5	1,483	1.35	11.57
3/24/2009	2,832	122	20,730,240	1,427	1.85	27	0.03	38	0.05	40	0.05	1.98	2.97	3.37	5/6/2010	2,160	110	14,256,000	1.4	3,908	3.48	15.04
6/15/2009	1,992	122	14,581,440	394	0.36	27	0.02	38	0.03	40	0.04	0.45	3.33	3.83	10/15/2010	3,888	130	30,326,400	0.4	2,042	3.86	18.91
8/21/2009	1,608	122	11,770,560	428	0.31	27	0.02	38	0.03	40	0.03	0.39	3.64	4.22	1/21/2011	2,352	110	15,523,200	0.4	2,042	1.98	20.88
11/5/2009	1,824	122	13,351,680	883	0.74	27	0.02	38	0.03	40	0.03	0.82	4.38	5.04	5/11/2011	2,640	130	20,592,000	0.1	1,483	1.90	22.79
2/5/2010	2,208	110	14,572,800	150	0.14	26.93	0.02	38	0.03	40	0.04	0.23	4.52	5.27	7/29/2011	1,896	110	12,513,600	0.4	2,042	1.6	24.38
4/23/2010	1,848	110	12,196,800	82	0.06	27	0.02	38	0.03	40	0.03	0.14	4.58	5.41	TOTALS:	27,362		216,727,440		24.38		
7/23/2010	2,184	110	14,414,400	183	0.16	27	0.02	38	0.03	40	0.04	0.26	4.74	5.67								
10/15/2010	2,016	130	15,724,800	102	0.10	27	0.03	38	0.04	40	0.04	0.20	4.84	5.88								
1/21/2011	2,352	110	15,523,200	224	0.22	27	0.03	38	0.04	40	0.04	0.32	5.06	6.19								
5/11/2011	2,640	130	20,592,000	394	0.51	27	0.03	38	0.05	40	0.05	0.64	5.57	6.84								
7/29/2011	1,896	110	12,513,600	150	0.12	27	0.02	38	0.03	40	0.03	0.20	5.68	7.03								
TOTALS:	27,361		206,239,260		5.57		0.33		0.46		0.48		6.84									

Lab Data for Air Mitigation System B-6

Third Quarter 2011

7/29/2011

Michigan Plaza

3801-3823 West Michigan Street

Indianapolis, Indiana

MUNDELL Project No.: M01046

B-6 (Lab Data)													B-6 (PID Readings)									
Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m³ PCE	Lbs. PCE removed	µg/m³ TCE	Lbs. TCE removed	µg/m³ VC	Lbs. VC removed	µg/m³ cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed	Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m³ VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
3/27/2008	0.5	130	3,900	8,155	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00	3/29/2008	50	74	222,000	1.7	4,468	0.06	0.06
3/28/2008	24	119	171,144	3,330	0.04	27	0.00	38	0.00	40	0.00	0.04	0.04	0.04	6/2/2008	1,560	130	12,168,000	1.1	3,349	2.54	2.60
4/24/2008	648	114	4,426,488	748	0.21	27	0.01	38	0.01	40	0.01	0.24	0.24	0.27	8/20/2008	1,896	110	12,513,600	0.5	2,229	1.74	4.34
5/1/2008	168	123	1,234,800	1,427	0.11	27	0.00	38	0.00	40	0.00	0.12	0.35	0.39	9/12/2008	552	130	4,305,600	0.1	1,483	0.40	4.74
6/2/2008	768	120	5,506,560	1,495	0.51	27	0.01	38	0.01	40	0.01	0.55	0.87	0.94	11/26/2008	1,800	110	11,880,000	0.2	1,669	1.24	5.98
8/20/2008	1,896	120	13,651,200	1,835	1.56	27	0.02	38	0.03	40	0.03	1.65	2.43	2.59	8/21/2009	6,432	110	42,451,200	0.1	1,483	3.93	9.90
9/12/2008	552	114	3,775,680	1,223	0.29	27	0.01	38	0.01	40	0.01	0.31	2.72	2.91	11/5/2009	1,824	130	14,227,200	0.1	1,483	1.32	11.22
11/26/2008	1,800	112	12,096,000	748	0.56	27	0.02	38	0.03	40	0.03	0.64	3.28	3.55	2/5/2010	2,208	150	19,872,000	0.9	2,975	3.69	14.91
3/24/2009	2,832	118	20,050,560	883	1.10	27	0.03	38	0.05	40	0.05	1.24	4.39	4.79	5/12/2010	2,304	93	12,856,320	1.7	4,468	3.58	18.49
6/15/2009	1,992	118	14,103,360	571	0.50	27	0.02	38	0.03	40	0.03	0.59	4.89	5.38	10/15/2010	3,744	130	29,203,200	0.5	2,229	4.06	22.55
8/21/2009	1,608	118	11,384,640	483	0.34	27	0.02	38	0.03	40	0.03	0.42	5.23	5.80	1/21/2011	2,352	130	18,345,600	0.4	2,042	2.34	24.89
11/5/2009	1,824	118	12,913,920	748	0.60	27	0.02	38	0.03	40	0.03	0.69	5.83	6.49	5/11/2011	2,640	130	20,592,000	0.2	1,669	2.14	27.03
2/5/2010	2,208	150	19,872,000	544	0.67	27	0.03	38	0.05	40	0.05	0.80	6.51	7.29	7/29/2011	1,896	110	12,513,600	0.3	1,856	1.45	28.48
5/12/2010	2,304	93	12,856,320	883	0.71	26.93	0.02	38	0.03	40	0.03	0.79	7.22	8.08	TOTALS:	27,362		211,150,320		28.48		
7/23/2010	1,728	110	11,404,800	680	0.48	27	0.02	38	0.03	40	0.03	0.56	7.70	8.64								
10/15/2010	2,016	130	15,724,800	129	0.13	27	0.03	38	0.04	40	0.04	0.23	7.83	8.87								
1/21/2011	2,352	130	18,345,600	333	0.38	27	0.03	38	0.04	40	0.05	0.50	8.21	9.37								
5/11/2011	2,640	130	20,592,000	415	0.53	27	0.03	38	0.05	40	0.05	0.67	8.74	10.04								
7/29/2011	1,896	110	12,513,600	143	0.11	27	0.02	38	0.03	40	0.03	0.19	8.85	10.23								
TOTALS:	27,361		210,627,372		8.74		0.33		0.47		0.49		10.04									

Lab Data for Air Mitigation System B-7

Third Quarter 2011

7/29/2011

Michigan Plaza

3801-3823 West Michigan Street

Indianapolis, Indiana

MUNDELL Project No.: M01046

B-7 (Lab Data)														B-7 (PID Readings)								
Sample Date	Hours per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	µg/m³ PCE	Lbs. PCE removed	µg/m³ TCE	Lbs. TCE removed	µg/m³ VC	Lbs. VC removed	µg/m³ cis-1,2-DCE	Lbs. cis-1,2-DCE removed	Lbs. Total Pollutants Removed	Cumulative PCE lbs Removed	Cumulative Total Pollutant lbs Removed	Sample Date	Hours Per Cycle	Average Flow Rate (CFM)	Air Vol. Removed per Cycle (CF)	PID Reading (ppm VOCs)	µg/m³ VOCs	Lbs. VOCs Removed	Cum Total lbs Removed (Est from PID)
4/7/2008	0.5	118	3,540	516	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00	6/2/2008	1,344	130	10,483,200	0.3	1,856	1.21	1.21
4/8/2008	24	118	169,920	319	0.00	27	0.00	38	0.00	40	0.00	0.00	0.00	0.00	7/10/2008	912	110	6,019,200	0.5	2,229	0.84	2.05
4/24/2008	384	118	2,718,720	150	0.03	27	0.00	38	0.01	40	0.01	0.04	0.03	0.05	9/12/2008	1,536	130	11,980,800	0.1	1,483	1.11	3.16
5/1/2008	168	120	1,209,600	265	0.02	27	0.00	38	0.00	40	0.00	0.03	0.05	0.08	11/26/2008	1,800	110	11,880,000	0.2	1,669	1.24	4.40
6/2/2008	768	117	5,391,360	360	0.12	27	0.01	38	0.01	40	0.01	0.16	0.17	0.23	8/21/2009	6,432	132	50,941,440	0.1	1,483	4.71	9.11
7/10/2008	912	118	6,456,960	367	0.15	27	0.01	38	0.02	40	0.02	0.19	0.32	0.42	11/5/2009	1,824	130	14,227,200	0.0	1,296	1.15	10.26
9/12/2008	1,536	114	10,506,240	367	0.24	27	0.02	38	0.03	40	0.03	0.31	0.56	0.73	2/5/2010	2,208	110	14,572,800	0.1	1,483	1.35	11.60
11/26/2008	1,800	112	12,096,000	381	0.29	27	0.02	38	0.03	40	0.03	0.37	0.85	1.10	5/6/2010	2,160	130	16,848,000	0.0	1,296	1.36	12.97
3/24/2009	2,832	118	20,050,560	401	0.50	27	0.03	38	0.05	40	0.05	0.63	1.35	1.73	10/15/2010	3,888	130	30,326,400	0.1	1,483	2.80	15.77
6/15/2009	1,992	118	14,103,360	34	0.03	27	0.02	38	0.03	40	0.03	0.12	1.38	1.85	1/21/2011	2,352	130	18,345,600	0.1	1,483	1.70	17.47
8/21/2009	1,608	118	11,384,640	34	0.02	27	0.02	38	0.03	40	0.03	0.10	1.40	1.95	5/11/2011	2,640	130	20,592,000	0.0	1,296	1.66	19.13
11/5/2009	1,824	118	12,913,920	34	0.03	27	0.02	38	0.03	40	0.03	0.11	1.43	2.06	7/29/2011	1,896	130	14,788,800	0.3	1,856	1.71	20.84
2/5/2010	2,208	110	14,572,800	34	0.03	27	0.02	38	0.03	40	0.04	0.13	1.46	2.19	TOTALS:	27,096		206,216,640		19.13		
4/23/2010	1,848	130	14,414,400	34	0.03	27	0.02	38	0.03	40	0.04	0.13	1.49	2.32								
7/23/2010	2,184	130	17,035,200	34	0.04	27	0.03	38	0.04	40	0.04	0.15	1.53	2.46								
10/15/2010	2,016	130	15,724,800	34	0.03	27	0.03	38	0.04	40	0.04	0.14	1.56	2.60								
1/21/2011	2,352	130	18,345,600	34	0.04	27	0.03	38	0.04	40	0.05	0.16	1.60	2.76								
5/11/2011	2,640	130	20,592,000	34	0.04	27	0.03	38	0.05	40	0.05	0.18	1.64	2.94								
7/29/2011	1,896	130	14,788,800	34	0.03	27	0.02	38	0.04	40	0.04	0.13	1.67	3.07								
TOTALS:	27,097		212,478,420		1.64		0.33		0.47		0.49		2.94									

Michigan Plaza
Third Quarter 2011
7/29/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Cumulative Totals (B-1-B-4)				
Sample Date	Lbs PCE Removed	Cumulative PCE lbs Removed	Lbs. Total Pollutants Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.00	0.00	0.00	0.00
10/6/2006	2.36	2.36	2.43	2.43
10/13/2006	0.68	3.05	0.71	3.14
10/20/2006	0.98	4.03	1.01	4.14
11/17/2006	3.41	7.44	3.51	7.65
12/27/2006	4.52	11.95	4.67	12.32
3/30/2007	7.00	18.95	7.33	19.65
6/15/2007	4.64	23.59	6.55	26.20
10/16/2007	6.42	30.01	6.86	33.06
12/14/2007	5.31	35.33	5.53	38.59
3/27/2008	7.84	43.17	8.23	46.82
4/1/2008	1.20	44.36	1.25	48.07
6/2/2008	6.16	50.53	6.39	54.46
9/12/2008	8.69	59.22	9.05	63.51
11/26/2008	4.38	63.59	4.62	68.13
3/24/2009	7.64	71.24	8.02	76.15
6/15/2009	4.53	75.77	4.80	80.94
8/21/2009	3.90	79.67	4.14	85.08
11/5/2009	3.90	83.57	4.17	89.25
2/5/2010	1.81	85.38	2.03	91.28
4/23/2010	0.34	85.72	0.38	91.66
7/23/2010	1.55	87.27	1.72	93.38
10/15/2010	0.57	87.83	0.78	94.15
1/21/2011	0.63	88.46	0.77	94.93
4/8/2011	2.96	91.42	3.51	98.43
5/11/2011	3.61	95.03	3.86	102.30
7/29/2011	2.43	97.46	2.65	104.95

Michigan Apartments
Third Quarter 2011
7/29/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Cumulative Totals (B-5-B-7)				
Sample Date	Lbs PCE Removed	Cumulative PCE lbs Removed	Lbs. Total Pollutants Removed	Cumulative Total Pollutant lbs Removed
3/27/2008	0.00	0.00	0.00	0.00
3/28/2008	0.04	0.04	0.04	0.05
4/7/2008	0.00	0.04	0.00	0.05
4/8/2008	0.00	0.05	0.00	0.05
4/24/2008	0.34	0.39	0.42	0.47
5/1/2008	0.16	0.54	0.18	0.65
6/2/2008	0.77	1.31	0.87	1.52
7/10/2008	0.32	1.63	0.40	1.93
8/20/2008	1.56	3.19	1.65	3.58
9/12/2008	0.84	4.03	1.00	4.58
11/26/2008	1.22	5.25	1.46	6.04
3/24/2009	3.45	8.71	3.85	9.89
6/15/2009	0.89	9.60	1.17	11.06
8/21/2009	0.68	10.28	0.91	11.97
11/5/2009	1.40	11.67	1.75	13.71
2/5/2010	0.93	12.60	1.37	15.08
4/23/2010	0.15	12.76	0.32	15.40
7/23/2010	0.68	13.44	0.95	16.35
10/15/2010	0.23	13.66	0.43	16.78
1/21/2011	0.64	14.30	0.99	17.76
5/11/2011	1.24	15.55	1.65	19.41
7/29/2011	0.26	15.80	0.51	19.92

Cumulative Total LBS Removed
Third Quarter 2011
7/29/2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No.: M01046

Cumulative Totals (B-1-B-7)				
Sample Date	Lbs PCE Removed	Cumulative PCE lbs Removed	Lbs. Total Pollutants Removed	Cumulative Total Pollutant lbs Removed
9/21/2006	0.00	0.00	0.00	0.00
10/6/2006	2.36	2.36	2.43	2.43
10/13/2006	0.68	3.05	0.71	3.14
10/20/2006	0.98	4.03	1.01	4.14
11/17/2006	3.41	7.44	3.51	7.65
12/27/2006	4.52	11.95	4.67	12.32
3/30/2007	7.00	18.95	7.33	19.65
6/15/2007	4.64	23.59	6.55	26.20
10/16/2007	6.42	30.01	6.86	33.06
12/14/2007	5.31	35.33	5.53	38.59
3/27/2008	7.84	43.17	8.23	46.82
3/28/2008	0.04	43.21	0.04	46.87
4/1/2008	1.20	44.41	1.25	48.12
4/7/2008	0.00	44.41	0.00	48.12
4/8/2008	0.00	44.41	0.00	48.12
4/24/2008	0.34	44.75	0.42	48.54
5/1/2008	0.16	44.91	0.18	48.72
6/2/2008	6.93	51.84	7.26	55.98
7/10/2008	0.32	52.16	0.40	56.39
8/20/2008	1.56	53.72	1.65	58.04
9/12/2008	9.53	63.25	10.05	68.09
11/26/2008	5.60	68.85	6.08	74.17
3/24/2009	11.10	79.94	11.87	86.03
6/15/2009	5.42	85.37	5.97	92.00
8/21/2009	4.59	89.95	5.05	97.05
11/5/2009	5.26	95.22	5.79	102.84
2/5/2010	2.71	97.92	3.27	106.11
4/23/2010	0.49	98.41	0.69	106.81
7/23/2010	2.23	100.64	2.67	109.47
10/15/2010	0.80	101.44	1.21	110.68
1/21/2011	1.26	102.70	1.76	112.44
4/8/2011	2.96	105.66	3.51	115.95
5/11/2011	4.85	110.52	5.51	121.46
7/29/2011	2.69	113.20	3.16	124.62

APPENDIX C

Cumulative Low Flow Sampling Data

Appendix C
Low Flow Data
Quarter 3 2007
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	9/19/2007	16.360	7.2	1071.3	72.84	3082	244
MMW-8S	9/19/2007	17.410	7.8	777.8	63.10	2179	-48
MMW-9S	9/20/2007	17.450	7.8	1546.5	65.40	2914	263
MMW-10S	9/19/2007	16.170	7.4	1356.0	68.25	1901	262
MMW-11S	9/19/2007	16.430	7.6	882.9	61.52	2302	216
MMW-P-01	9/20/2007	19.690	7.6	1462.6	64.48	3446	208
MMW-P-02	9/19/2007	20.900	7.5	1046.3	63.84	2481	95
MMW-P-03S	9/20/2007	20.790	6.6	1285.8	64.94	4370	349
MMW-P-03D	9/19/2007	20.630	7.6	1281.9	63.98	2190	2
MMW-P-04	9/20/2007	20.490	7.2	1016.0	63.43	4739	367
MMW-P-05	9/19/2007	20.140	7.5	974.2	64.43	2469	188
MMW-P-06	9/19/2007	20.570	7.4	1471.8	64.34	2988	197
MMW-P-07	9/20/2007	18.840	7.6	1586.4	65.26	2460	291
MMW-P-08	9/20/2007	18.610	7.6	1312.0	65.80	2608	300
MMW-P-09S	9/19/2007	20.170	7.6	997.1	58.79	3040	165
MMW-P-09D	9/19/2007	20.350	7.7	932.4	57.65	2063	68
MMW-P-10S	9/19/2007	18.300	7.3	1911.4	64.88	3019	229
MMW-P-10D	9/19/2007	18.690	7.4	851.8	63.29	3722	141
MMW-168S	9/19/2007	18.340	6.5	1557.3	80.64	3475	304
MMW-168D	9/19/2007	18.260	7.5	977.8	62.99	4153	26

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 4 2007
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	12/13/2007	15.68	4.0	900.65	74.35	6435	428
MMW-8S	12/13/2007	16.78	6.0	1.45	59.65	91753	230
MMW-9S	12/12/2007	16.45	5.0	1339.87	66.14	9525	172
MMW-10S	12/12/2007	15.58	5.3	1279.48	67.94	6165	253
MMW-11S	12/13/2007	15.77	4.3	734.48	60.48	40779	397
MMW-P-01	12/14/2007	19.13	3.8	1326.96	64.38	2671	360
MMW-P-03S	12/13/2007	20.19	6.4	1185.54	62.87	6153	273
MMW-P-03D	12/13/2007	20.10	5.4	789.51	58.30	10627	265
MMW-P-04	12/13/2007	23.33	5.7	519.68	63.89	11920	300
MMW-P-05	12/14/2007	19.57	5.8	1155.00	62.83	8247	286
MMW-P-06	12/14/2007	20.06	5.6	1574.95	63.72	8032	305
MMW-P-07	12/13/2007	18.17	3.5	1060.61	63.79	8224	208
MMW-P-08	12/14/2007	18.03	5.8	722.63	63.84	6935	158
MMW-P-09S	12/12/2007	19.98	3.9	930.96	58.91	6039	406
MMW-P-09D	12/12/2007	19.76	5.1	866.12	56.60	10632	316
MMW-P-10S	12/12/2007	17.58	5.3	1279.48	67.94	6165	253
MMW-P-10D	12/14/2007	17.95	5.9	831.77	62.61	7541	157
MMW-168D	12/12/2007	17.22	5.3	1061.99	63.27	11511	263

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 1 2008
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	3/21/2008	14.150	2.2	3752.58	59.08	1650	230
MMW-8S	3/20/2008	15.310	2.8	0.29	63.35	2754	180
MMW-9S	3/21/2008	15.190	2.0	5173.38	60.25	918	44
MMW-10S	3/21/2008	14.080	2.0	5519.90	63.03	1251	102
MMW-11S	3/20/2008	14.180	1.8	3617.55	48.80	14.74	200
MMW-P-02	3/20/2008	18.610	1.4	5619.07	62.11	1656	211
MMW-P-03S	3/20/2008	18.390	1.3	4637.44	62.02	1635	155
MMW-P-03D	3/20/2008	18.280	1.4	5093.33	61.99	1568	-110
MMW-P-04	3/20/2008	18.520	1.6	1715.12	59.56	1644	44
MMW-P-05	3/20/2008	17.920	2.1	0.28	53.40	3253	233
MMW-P-06	3/20/2008	18.340	1.9	6086.21	61.77	1475	-143
MMW-P-07	3/21/2008	16.690	2.1	4293.47	345.70	900	29
MMW-P-08	3/21/2008	16.440	1.8	6062.47	60.10	933	4
MMW-P-09S	3/21/2008	18.600	2.0	5173.38	60.25	918	44
MMW-P-09D	3/20/2008	18.330	2.5	3920.33	55.30	2151	230
MMW-P-10S	3/20/2008	15.650	1.4	8898.20	58.57	1934	104
MMW-P-10D	3/20/2008	16.390	1.7	4589.68	61.52	1560	-92
MMW-168S	3/20/2008	15.830	1.9	5636.62	58.34	1689	250
MMW-168D	3/20/2008	15.650	2.2	4065.21	61.58	1432	222

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 2 2008
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	6/6/2008	14.80	-3.7	3346.10	65.15	6165	1286
MMW-2S	6/2/2008	14.20	7.0	867.68	57.26	4402	-147
MMW-4D	6/2/2008	12.52	7.1	1091.63	57.18	2942	-269
MMW-5D	6/2/2008	12.59	7.1	1091.63	57.18	2942	-269
MMW-8S	6/6/2008	15.74	-0.6	3385.17	64.28	7697	1271
MMW-9S	6/6/2008	15.50	6.9	1223.00	61.15	48.13	-180
MMW-10S	6/6/2008	14.90	6.7	1604.62	65.35	4463	-230
MMW-11S	6/5/2008	13.84	7.1	723.78	62.82	4351	-229
MMW-P-01	6/5/2008	17.91	7.1	1003.45	62.94	4351	-229
MMW-P-05	6/5/2008	18.34	6.9	1416.91	67.47	3952	-226
MMW-P-06	6/5/2008	18.44	6.9	1150.56	63.12	4357	-236
MMW-P-07	6/5/2008	17.00	7.1	980.38	63.65	4330	-206
MMW-P-09S	6/5/2008	18.65	7.0	1118.24	69.87	4765	-130
MMW-P-09D	6/5/2008	18.48	7.0	963.64	60.28	4210	-197
MMW-168S	6/5/2008	16.72	6.8	1395.01	60.18	5235	-142
MMW-168D	6/5/2008	16.70	6.9	1283.44	82.49	4498	-167
MMW-170S	6/3/2008	19.69	7.1	1442.53	58.71	3706	-186
MMW-170D	6/3/2008	19.61	7.1	969.53	59.48	3384	-174

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 3 2008
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-9S	9/10/2008	15.50	7.3	0.31	72.30	7965	481
MMW-10S	9/10/2008	14.90	6.5	4517.29	69.04	8796	308
MMW-11S	9/10/2008	13.84	6.8	0.34	64.72	10030	338
MMW-P-01	9/11/2008	17.91	7.0	0.40	80.35	6234	14
MMW-P-03S	9/11/2008	18.88	6.9	0.27	79.64	6369	-101
MMW-P-05	9/11/2008	18.34	7.0	0.46	78.15	6667	-168
MMW-P-06	9/11/2008	18.44	7.1	0.25	69.78	8600	-266
MMW-P-07	9/11/2008	17.00	6.8	0.69	81.72	5980	-439
MMW-P-08	9/11/2008	16.85	6.7	0.74	76.18	7077	-344
MMW-P-09S	9/10/2008	18.65	7.3	0.25	69.71	8617	467
MMW-P-09D	9/10/2008	18.48	7.1	0.30	62.91	10601	200
MMW-P-10D	9/11/2008	17.01	7.0	0.37	72.18	7995	45
MMW-C-01	9/10/2008	-	7.5	0.26	70.97	8293	477

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 4 2008
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	11/20/2008	16.38	6.8	3046.01	60.43	533	829
MMW-8S	11/20/2008	17.28	7.1	2761.42	62.48	515	487
MMW-9S	11/20/2008	17.43	6.5	4141.29	64.28	558	419
MMW-10S	11/20/2008	16.53	6.6	4320.54	67.34	585	545
MMW-11S	11/20/2008	16.36	7.0	2954.86	61.19	518	782
MMW-P-01	11/19/2008	19.68	6.9	-	63.64	2183	1070
MMW-P-02	11/19/2008	20.91	6.7	-	62.16	3885	221
MMW-P-03S	11/19/2008	20.73	6.9	-	63.40	3027	574
MMW-P-03D	11/19/2008	20.61	6.8	-	62.37	3453	127
MMW-P-05	11/19/2008	20.14	7.0	-	62.17	3050	811
MMW-P-06	11/19/2008	20.57	6.8	-	62.93	2652	870
MMW-P-07	11/19/2008	18.56	6.9	-	63.56	2397	715
MMW-P-08	11/19/2008	18.42	6.5	-	64.85	2027	846
MMW-P-09S	11/19/2008	20.44	7.0	-	58.45	1628	1129
MMW-P-09D	11/19/2008	20.25	7.1	-	56.35	1534	1108
MMW-P-10S	11/19/2008	18.12	6.9	-	64.84	1872	1106
MMW-P-10D	11/19/2008	18.67	6.9	-	62.61	1973	1034
MMW-C-01	11/20/2008	20.25	6.8	2907.86	61.81	480	491
MMW-C-02	11/20/2008	19.60	6.9	2806.68	57.23	476	931
MMW-168D	11/20/2008	18.23	6.9	3318.77	62.41	504	530

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 1 2009
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	3/16/2009	16.17	6.7	2794.00	60.18	4879	484
MMW-8S	3/16/2009	16.92	6.6	2647.01	60.85	2188	698
MMW-9S	3/16/2009	17.06	6.8	3678.06	62.36	4601	222
MMW-10S	3/16/2009	16.17	6.9	3510.36	64.09	5003	159
MMW-11S	3/16/2009	15.95	6.6	2887.15	59.77	2540	738
MMW-11D	3/16/2009	16.02	6.6	2745.44	61.10	2969	715
MMW-12S	3/16/2009	15.18	6.6	2817.69	59.91	4079	606
MMW-13D	3/16/2009	-	6.6	2420.56	61.50	3463	662
MMW-14D	3/18/2009	14.95	6.7	2190.74	61.60	850	780
MMW-P-01	3/17/2009	19.09	6.8	3419.37	63.25	929	468
MMW-P-02	3/17/2009	20.19	6.7	3641.02	62.48	852	858
MMW-P-03S	3/17/2009	20.05	6.7	3372.09	62.75	812	809
MMW-P-03D	3/17/2009	19.94	6.7	3253.15	62.97	806	757
MMW-P-05	3/17/2009	19.52	6.6	2669.54	60.88	864	838
MMW-P-06	3/17/2009	19.91	6.7	3884.36	62.27	1063	710
MMW-P-07	3/17/2009	18.10	6.8	4022.29	63.10	880	745
MMW-P-08	3/17/2009	17.99	6.8	4083.50	62.16	876	674
MMW-P-09S	3/17/2009	18.02	6.5	2248.31	55.70	1019	858
MMW-P-09D	3/17/2009	19.62	6.6	2615.95	56.90	819	834
MMW-P-10S	3/17/2009	17.82	6.8	3958.16	60.94	863	653
MMW-P-10D	3/17/2009	18.21	6.6	2733.68	62.47	838	574
MMW-C-01	3/17/2009	19.47	6.6	2701.97	61.77	770	693
MMW-C-02	3/17/2009	18.89	6.6	2506.91	57.22	811	867
MMW-168D	3/17/2009	17.89	6.6	2948.13	61.86	871	795

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 2 2009
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	6/15/2009	14.76					
MMW-8S	6/15/2009	15.61					
MMW-9S	6/15/2009	15.85					
MMW-10S	6/15/2009	15.01					
MMW-11S	6/15/2009	14.64					
MMW-P-01	6/15/2009	17.44					
MMW-P-02	6/15/2009	18.38					
MMW-P-03S	6/15/2009	18.25					
MMW-P-03D	6/15/2009	18.15					
MMW-P-04	6/15/2009	18.01					
MMW-P-05	6/15/2009	18.83					
MMW-P-06	6/15/2009	18.17					
MMW-P-07	6/15/2009	16.54					
MMW-P-08	6/15/2009	16.50					
MMW-P-09S	6/15/2009	18.20					
MMW-P-09D	6/15/2009	18.40					
MMW-P-10S	6/15/2009	16.50					
MMW-P-10D	6/15/2009	16.74					
MMW-168S	6/15/2009	16.80					
MMW-168D	6/15/2009	16.71					

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

No Low Flow Data Recorded for this Quarter

Appendix C
Low Flow Data
Quarter 3 2009
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-8S	8/5/2009	15.97	7.1	1024.33	61.63	2439	-160
MMW-11S	8/5/2009	15.09	7.0	951.53	62.49	2457	127
MMW-11D	8/5/2009	14.89	7.1	830.12	61.65	2358	41
MMW-13D	8/5/2009	14.85	7.2	866.95	63.29	2502	-49
MMW-14D	8/5/2009	13.92	7.1	763.82	62.02	2440	-83

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 4 2009
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	11/2/2009	15.73	6.7	1235.44	64.60	1900	-28
MMW-8S	11/2/2009	16.80	7.0	955.41	64.25	1805	-71
MMW-9S	11/2/2009	17.04	6.6	1396.37	66.55	1861	35
MMW-10S	11/2/2009	-	6.6	1683.57	67.65	1970	-15
MMW-11S	11/2/2009	-	6.9	981.81	63.23	1847	40
MMW-11D	11/2/2009	-	7.0	889.30	61.78	2495	-23
MMW-12S	11/2/2009	-	6.9	948.21	65.35	1885	116
MMW-14D	11/2/2009	14.90	7.1	782.66	60.79	1820	1
MMW-P-01	11/3/2009	19.07	6.7	1824.15	63.48	1774	-48
MMW-P-02	11/3/2009	20.19	7.0	1006.19	61.88	2066	98
MMW-P-03S	11/3/2009	20.05	6.9	1162.90	63.95	1783	-81
MMW-P-03D	11/3/2009	20.06	6.8	1406.29	62.99	1791	-48
MMW-P-05	11/3/2009	19.44	7.0	1036.88	62.55	1842	-70
MMW-P-06	11/3/2009	20.05	6.9	1276.43	62.46	1631	-105
MMW-P-07	11/3/2009	18.19	6.6	2224.11	63.28	1745	-72
MMW-P-08	11/3/2009	17.80	6.5	1547.62	64.58	1676	-74
MMW-P-09S	11/3/2009	19.90	6.9	810.17	60.02	2892	174
MMW-P-09D	11/3/2009	19.82	7.1	897.83	56.97	1717	-59
MMW-P-10S	11/3/2009	17.76	6.8	705.52	65.19	1566	-112
MMW-P-10D	11/3/2009	18.00	6.8	1104.13	62.40	1699	-98
MMW-C-01	11/3/2009	19.85	6.9	983.51	63.80	1765	-100
MMW-C-02	11/3/2009	19.25	6.8	784.90	58.07	1811	24
MMW-168D	11/4/2009	18.00	6.8	1070.78	61.97	7162	-107

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 1 2010
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	2/3/2010	16.13	6.7	1163.71	60.87	5359	-47
MMW-8S	2/3/2010	17.15	7.0	840.91	57.80	46.38	-49
MMW-9S	2/3/2010	17.33	6.6	1372.18	61.81	5596	11
MMW-10S	2/3/2010	16.29	6.6	1547.07	60.44	5474	-43
MMW-11S	2/3/2010	16.12	6.9	1043.16	56.74	4936	-24
MMW-11D	2/3/2010	16.29	6.9	939.19	59.82	4812	-1
MMW-12S	2/3/2010	15.41	6.8	1038.47	60.30	5624	251
MMW-13D	2/3/2010	16.10	7.2	700.22	58.89	5090	-75
MMW-14D	2/3/2010	15.20	7.0	779.17	59.40	5793	303
MMW-P-01	2/4/2010	19.29	6.9	1530.40	62.01	697	-132
MMW-P-02	2/4/2010	20.29	6.8	1324.05	60.42	693	272
MMW-P-03S	2/4/2010	20.20	6.9	1303.45	62.38	751	-63
MMW-P-03D	2/4/2010	20.20	6.7	1360.53	61.96	661	64
MMW-P-04	2/2/2010	-	6.9	827.41	58.95	1005	199
MMW-P-05	2/4/2010	19.64	7.0	787.24	59.62	724	-83
MMW-P-06	2/4/2010	20.24	7.0	927.09	61.92	725	-86
MMW-P-07	2/4/2010	18.46	6.7	1800.27	61.71	721	-92
MMW-P-08	2/4/2010	18.09	6.6	1629.37	61.63	631	-86
MMW-P-09S	2/3/2010	19.94	6.9	701.41	56.41	3997	-51
MMW-P-09D	2/3/2010	19.92	7.1	862.01	55.67	4243	-78
MMW-P-10S	2/4/2010	18.28	6.7	1663.47	60.85	614	-93
MMW-P-10D	2/4/2010	18.06	6.8	992.55	60.70	619	-101
MMW-C-01	2/3/2010	19.98	6.9	758.54	61.77	3818	-59
MMW-C-02	2/3/2010	19.33	6.8	778.88	57.33	3782	76
MMW-168D	2/4/2010	18.03	6.9	941.82	60.88	469	-74

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 2 2010
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	4/22/2010	15.91	6.8	1309.12	61.99	2753	-43
MMW-2S	4/22/2010	-	7.2	786.37	63.60	7865	107
MMW-3S	4/20/2010	12.70	7.2	932.59	49.62	454	75
MMW-4D	4/20/2010	13.69	7.1	1209.81	54.87	379	0
MMW-5D	4/20/2010	13.48	7.1	1063.96	48.50	304	126
MMW-6D	4/20/2010	14.51	7.4	1060.86	46.91	362	51
MMW-7S	4/20/2010	14.10	6.8	1013.16	63.54	637	200
MMW-8S	4/22/2010	16.88	7.1	891.80	60.32	1303	-47
MMW-9S	4/22/2010	17.16	6.6	2012.35	63.68	1456	-61
MMW-10S	4/22/2010	16.06	6.6	1835.07	64.68	1396	-91
MMW-11S	4/22/2010	15.86	7.0	959.55	59.09	1807	103
MMW-11D	4/22/2010	16.03	7.0	945.64	60.39	1325	96
MMW-12S	4/20/2010	15.25	7.0	1046.17	58.76	234	170
MMW-13D	4/22/2010	15.81	7.1	828.29	61.59	1743	-55
MMW-14D	4/20/2010	15.02	7.1	750.80	61.27	231	111
MMW-P-01	4/22/2010	18.80	7.1	1493.75	61.95	1376	-255
MMW-P-02	4/22/2010	19.72	7.0	1346.32	60.07	148	256
MMW-P-03S	4/22/2010	19.65	6.9	970.51	62.33	170	-63
MMW-P-03D	4/22/2010	19.63	6.9	1143.79	62.02	143	-16
MMW-P-04	4/21/2010	19.65	7.0	808.10	65.49	237	-47
MMW-P-05	4/22/2010	19.16	7.0	1003.09	60.21	1663	-26
MMW-P-06	4/22/2010	19.72	6.9	1129.17	60.95	1405	-106
MMW-P-07	4/22/2010	18.07	6.7	1924.80	61.08	1400	-154
MMW-P-08	4/22/2010	17.74	6.7	1804.33	60.11	1408	-202
MMW-P-9S	4/22/2010	19.47	7.1	640.05	57.71	2699	69
MMW-P-9D	4/22/2010	19.44	7.1	884.73	57.54	1360	-65
MMW-P-10S	4/22/2010	17.69	7.0	971.25	60.76	1564	-200
MMW-P-10D	4/22/2010	17.95	7.1	856.97	61.77	1371	-192
MMW-C-01	4/21/2010	19.40	7.1	723.37	6050.00	174	57
MMW-C-02	4/21/2010	18.80	6.9	786.28	56.92	177	202
MMW-168D	4/21/2010	17.81	6.9	1128.46	61.80	190	53
MMW-169S	4/21/2010	19.70	7.1	848.37	58.42	228	-49
MMW-169D	4/21/2010	19.78	7.1	783.49	59.50	207	-53
MMW-170S	4/21/2010	20.41	7.0	1489.91	59.08	162	90
MMW-170D	4/21/2010	20.34	7.1	1148.57	59.67	190	87
MMW-171D	4/21/2010	15.95	7.1	688.13	54.68	205	53
MMW-167S	4/21/2010	19.43	6.9	1212.34	58.04	173	102
MMW-167D	4/21/2010	18.61	8.3	803.34	60.16	163	64

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 3 2010
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	7/21/2010	15.36	6.6	1543.32	67.00	2413	18
MMW-8S	7/21/2010	16.27	7.0	995.05	61.99	1709	-32
MMW-9S	7/21/2010	16.51	6.6	1485.92	63.56	3403	-60
MMW-10S	7/20/2010	15.46	6.6	1806.61	66.06	2423	-56
MMW-11S	7/21/2010	15.25	7.0	1037.29	60.95	1751	50
MMW-11D	7/21/2010	15.41	7.0	960.85	61.68	1820	36
MMW-12S	7/20/2010	14.67	7.0	932.53	64.21	10359	160
MMW-13D	7/20/2010	15.21	7.2	823.77	63.91	1906	-38
MMW-14D	7/20/2010	14.45	7.1	803.56	61.89	4430	-55
MMW-P-01	7/21/2010	18.06	6.8	1421.25	64.54	2113	-130
MMW-P-02	7/21/2010	18.92	6.9	1121.84	62.11	1806	-10
MMW-P-03S	7/21/2010	18.85	6.8	1300.24	65.37	2016	-72
MMW-P-03D	7/21/2010	18.84	6.8	1084.75	64.30	2235	-125
MMW-P-04	7/22/2010	18.75	6.7	964.16	74.50	3591	-40
MMW-P-05	7/21/2010	18.40	6.9	1101.45	61.90	2067	-80
MMW-P-06	7/21/2010	18.95	7.0	1448.34	63.11	2001	-112
MMW-P-07	7/22/2010	17.35	6.6	1605.51	66.85	3369	-55
MMW-P-08	7/22/2010	17.01	6.8	939.29	65.43	3994	-70
MMW-P-09S	7/22/2010	18.87	7.0	1077.88	61.78	5477	27
MMW-P-09D	7/22/2010	18.85	7.2	929.01	57.92	3702	-59
MMW-P-10S	7/21/2010	16.86	6.9	900.75	63.63	1868	-105
MMW-P-10D	7/22/2010	17.21	6.8	913.11	61.12	2694	-27
MMW-C-01	7/22/2010	18.61	7.0	792.01	62.07	5588	47
MMW-C-02	7/22/2010	18.12	6.9	755.80	57.65	2670	30
MMW-168D	7/22/2010	17.22	6.9	1194.59	63.03	4678	-53
MMW-171D	7/22/2010	15.35	7.1	1001.94	60.97	4607	-47

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 4 2010
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	10/12/2010	16.55	6.6	1518.29	68.14	5576	-229
MMW-8S	10/12/2010	17.60	7.1	879.84	64.88	124	-274
MMW-9S	10/12/2010	17.79	6.6	1540.05	65.73	564	-308
MMW-10S	10/12/2010	16.82	6.6	1852.22	68.31	951	-261
MMW-11S	10/12/2010	16.73	7.0	954.24	62.83	301	-217
MMW-11D	10/12/2010	16.61	7.0	953.96	61.59	209	-221
MMW-12S	10/12/2010	15.83	6.9	1026.00	66.50	349	-155
MMW-13D	10/12/2010	16.55	7.3	759.80	62.51	116	-255
MMW-14D	10/12/2010	15.62	7.1	820.21	61.62	221	-224
MMW-P-01	10/14/2010	19.82	6.8	1382.53	64.53	203	-164
MMW-P-02	10/13/2010	20.88	6.9	1089.71	64.13	281	-209
MMW-P-03S	10/13/2010	20.75	6.9	1333.00	65.29	270	-274
MMW-P-03D	10/13/2010	20.75	6.7	1358.04	63.84	269	-246
MMW-P-04	10/13/2010	20.65	6.7	1025.25	68.69	869	-203
MMW-P-05	10/13/2010	20.19	6.9	917.79	63.87	250	-240
MMW-P-06	10/14/2010	20.77	6.9	1194.85	62.94	162	-121
MMW-P-07	10/14/2010	19.16	6.6	2187.63	64.54	359	-148
MMW-P-08	10/14/2010	18.60	6.7	1923.74	65.39	395	-175
MMW-P-09S	10/13/2010	20.47	6.9	725.62	60.76	1026	-105
MMW-P-09D	10/13/2010	20.42	7.1	903.03	57.58	694	-282
MMW-P-10S	10/14/2010	18.58	6.6	1681.66	64.62	404	-154
MMW-P-10D	10/14/2010	18.74	6.7	1341.39	62.52	351	-165
MMW-C-01	10/13/2010	20.53	6.9	834.61	68.27	3883	-29
MMW-C-02	10/13/2010	19.86	6.8	717.42	58.64	212	-175
MMW-168D	10/13/2010	18.45	6.8	1184.43	63.67	350	-230

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 1 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	1/19/2011	16.41	6.84	1190.25	63.82	2245	231
MMW-8S	1/19/2011	17.46	6.71	1002.28	60.92	969	231
MMW-9S	1/19/2011	16.67	6.90	1500.34	65.13	2815	231
MMW-10S	1/19/2011	16.73	6.91	1523.30	65.42	2654	231
MMW-11S	1/19/2011	16.60	6.70	975.51	60.78	305	231
MMW-11D	1/19/2011	16.43	6.69	885.71	60.58	292	231
MMW-12S	1/18/2011	15.73	6.57	1050.46	58.03	640	231
MMW-13D	1/19/2011	16.43	6.64	697.03	59.56	230	231
MMW-14D	1/18/2011	15.51	6.67	812.66	60.22	247	231
MMW-P-01	1/20/2011	19.77	6.79	1609.82	62.72	1354	231
MMW-P-02	1/19/2011	20.78	6.74	1256.75	61.65	1617	231
MMW-P-03S	1/19/2011	20.65	6.77	905.25	62.40	1417	231
MMW-P-03D	1/19/2011	20.66	6.28	1149.72	51.92	2351	231
MMW-P-04	2/14/2011	20.42	6.66	671.16	60.31	836	232
MMW-P-05	1/20/2011	20.09	6.69	987.93	60.65	174	231
MMW-P-06	1/20/2011	20.67	6.80	1263.52	62.86	1062	231
MMW-P-07	1/20/2011	19.10	6.74	1346.97	61.61	1377	231
MMW-P-08	1/20/2011	18.48	6.79	1965.45	62.64	1907	231
MMW-P-09S	1/19/2011	20.37	6.56	711.48	57.74	1732	231
MMW-P-09D	1/19/2011	20.39	6.12	788.66	48.67	1079	230
MMW-P-10S	1/20/2011	18.46	6.74	1009.04	61.71	1102	231
MMW-P-10D	1/20/2011	18.63	6.74	1338.66	61.64	1155	231
MMW-C-01	1/19/2011	20.43	6.77	741.54	62.33	1522	231
MMW-C-02	1/19/2011	19.80	6.58	705.01	58.24	1651	231
MMW-168D	3/24/2011	18.35	6.48	1010.28	61.07	2066	226

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 2 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	5/4/2011	14.02	6.77	1258.14	57.48	2771	-79
MMW-2S	4/30/2011	13.66	7.29	619.45	53.88	9482	21
MMW-3S	5/4/2011	10.74	7.17	892.31	51.23	587	-228
MMW-4D	4/29/2011	11.74	7.07	1227.55	55.89	764	-104
MMW-5D	4/29/2011	11.62	7.31	1472.31	49.09	266	-233
MMW-6D	4/29/2011	12.66	7.32	1238.84	49.81	142	-251
MMW-7S	5/4/2011	12.25	6.85	1080.07	45.90	1321	-205
MMW-8S	4/30/2011	15.10	6.83	1907.78	59.00	200	-164
MMW-9S	5/4/2011	15.20	6.69	1878.63	60.02	235	-255
MMW-10S	5/4/2011	14.25	6.67	1630.21	61.14	243	-247
MMW-11S	4/30/2011	14.15	7.16	850.09	56.47	4373	-30
MMW-11D	4/30/2011	14.00	7.04	906.08	59.97	349	-123
MMW-12S	4/30/2011	13.36	6.92	1075.03	58.36	296	-118
MMW-13D	4/30/2011	13.95	7.18	877.93	51.25	340	-128
MMW-14D	4/30/2011	13.16	7.16	738.41	59.68	397	-150
MMW-P-01	5/5/2011	16.91	6.68	1977.55	59.99	1003	-176
MMW-P-02	5/4/2011	17.79	6.92	1263.93	60.08	321	-245
MMW-P-03S	5/4/2011	17.68	6.83	1227.4	61.32	234	-287
MMW-P-03D	5/4/2011	17.70	6.82	1194.85	61.01	267	-294
MMW-P-04	5/5/2011	17.54	7.07	465.72	59.47	1389	-185
MMW-P-05	4/30/2011	17.20	6.99	1036.89	59.68	209	-257
MMW-P-06	5/4/2011	17.76	6.89	1338.09	60.08	225	-296
MMW-P-07	5/4/2011	16.33	6.67	1632.14	59.65	346	-242
MMW-P-08	5/4/2011	15.90	6.81	920.74	58.78	221	-272
MMW-P-09S	4/30/2011	17.67	7.12	587.05	53.94	5288	0
MMW-P-09D	4/30/2011	17.64	7.17	851.48	57.08	347	-184
MMW-P-10S	5/5/2011	15.56	7.51	329.62	54.14	101	-341
MMW-P-10D	5/5/2011	16.00	7.08	597.66	59.47	160	-300
MMW-C-01	5/5/2011	17.01	7.41	463.16	56.54	9253	-75
MMW-C-02	4/30/2011	17.35	6.89	689.17	56.65	3184	-17
MMW-167S	4/29/2011	16.30	7.1	916.54	56.36	7894	75
MMW-167D	4/29/2011	16.23	7.14	910.09	59.29	251	-116
MMW-168D	4/29/2011	16.00	6.93	1056.67	61.55	206	-199
MMW-169S	4/29/2011	18.09	6.91	975.38	56.07	3567	19
MMW-169D	4/29/2011	17.83	7.04	880	58.55	232	-177
MMW-170S	4/29/2011	18.71	6.99	1241.04	57.31	486	-44
MMW-170D	4/29/2011	18.65	7.12	1039.74	59.25	282	-142
MMW-171S	4/29/2011	13.92	6.98	798.8	53.06	4282	70
MMW-171D	4/29/2011	14.10	7.01	887.76	55.34	377	-164

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts

Appendix C
Low Flow Data
Quarter 3 2011
Michigan Plaza
3801-3823 West Michigan Street
Indianapolis, Indiana
MUNDELL Project No. M01046

Well ID	Date	Water Level Depth (Feet BTOC)	pH	Conductivity	Temperature (°F)	Dissolved Oxygen (ug/L)	Oxygen Reduction Potential (mV)
MMW-1S	7/28/2011	15.70	6.56	1473.98	65.99	730	-179
MMW-8S	7/26/2011	16.82	6.58	2259.31	81.79	2202	-47
MMW-9S	7/27/2011	16.91	6.52	1835.33	62.55	434	-187
MMW-10S	7/27/2011	15.92	6.58	1734.55	66.62	513	-158
MMW-11S	7/26/2011	15.76	6.87	764.47	61.66	250	-169
MMW-11D	7/26/2011	15.93	6.82	989.47	64.76	394	-156
MMW-12S	7/26/2011	15.02	6.76	1006.61	63.05	400	-114
MMW-13D	7/26/2011	15.76	7.03	913.7	63.75	1428	-204
MMW-14D	7/26/2011	14.80	6.96	827.15	61.22	262	-183
MMW-P-01	7/28/2011	19.06	6.7	1508.75	64.16	628	-161
MMW-P-02	7/27/2011	20.25	6.86	1083.82	65.02	322	-225
MMW-P-03S	7/27/2011	20.05	6.75	1290.23	66.31	412	-175
MMW-P-03D	7/27/2011	20.07	6.81	1284.67	65.32	367	-192
MMW-P-04	7/28/2011	19.90	6.67	1363.11	71.04	1011	-174
MMW-P-05	7/27/2011	19.42	6.8	1436.68	64.29	607	-184
MMW-P-06	7/28/2011	20.05	6.85	1302.64	64.65	812	-198
MMW-P-07	7/28/2011	18.25	8.33	2098.5	64.30	765	-161
MMW-P-08	7/27/2011	17.79	6.544	2323.74	64.47	597	-146
MMW-P-09S	7/26/2011	19.99	6.78	882.4	58.32	1473	-85
MMW-P-09D	7/26/2011	19.93	6.98	919.04	60.33	567	-198
MMW-P-10S	7/27/2011	17.41	6.69	1538.33	64.52	543	-170
MMW-P-10D	7/27/2011	17.91	6.82	1073.2	65.70	539	-162
MMW-C-01	7/27/2011	19.81	6.8	1156.65	62.38	707	-190
MMW-C-02	7/27/2011	19.34	6.72	811.88	59.32	694	-146
MMW-168D	7/28/2011	17.56	6.75	1476.13	65.24	528	-163

BTOC - Below Top of Casing

ug/L - micrograms per liter

mV - millivolts